



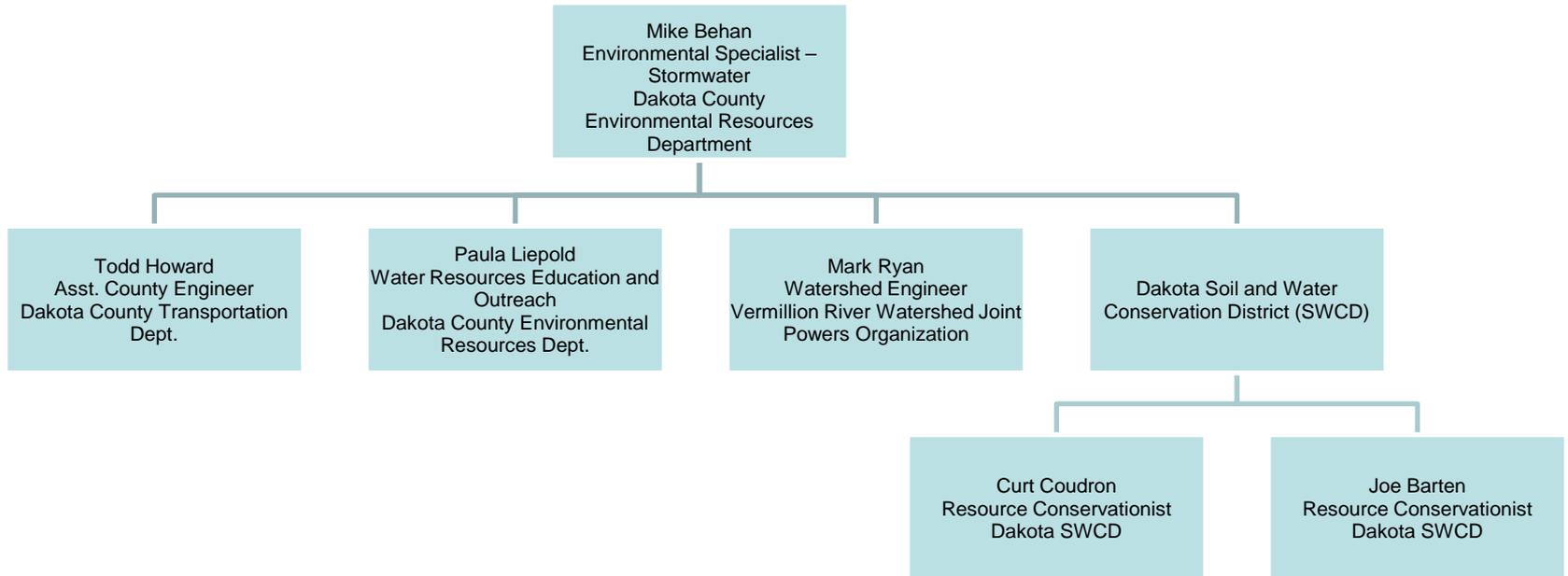
**MUNICIPAL
SEPARATE
STORM
SEWER
SYSTEM
(MS4)**

**STORMWATER
POLLUTION
PREVENTION
PLAN
(SWPPP)**



June 2021

MS4 Organizational Chart



Best Management Practices (BMPs) Summary Sheets for Dakota County MS4

Version 1.8, June 2021

Minimum Control Measure 1: PUBLIC EDUCATION AND OUTREACH

Key to Unique BMP ID Numbers	Required BMP Title	Permit Reference
1A	Distribute Educational Materials	16.1 – 16.9
1B	Implement Public Education and Outreach Plan	16.1 – 16.9
1C-1	Education Program: Public Education and Outreach Annual Evaluation	16.9
1C-2	Education Program: Public Participation	16.1, 17.2
1C-3	Education Program: Illicit Discharge and Elimination	16.1, 18.9
1C-4	Education Program: Construction Site Run-off Control	16.1, 19.11
1C-5	Education Program: Post-Construction Stormwater Management in New Development and Redevelopment	16.1, 20.18
1C-6	Education Program: Pollution Prevention/Good Housekeeping for Municipal Operations	16.1, 21.12
1D	Coordination of Education Program	16.1

Minimum Control Measure 2: PUBLIC PARTICIPATION/INVOLVEMENT

Key to Unique BMP ID Numbers	Required BMP Title	Permit Reference
2A	Provide Opportunities for Public Input on SWPPP	17.2 – 17.3
2B	Solicit Public Input and Opinion on the Adequacy of the SWPPP	17.4
2C	Document and Evaluate Public Input on SWPPP	17.7 – 17.8

Minimum Control Measure 3: ILLICIT DISCHARGE DETECTION & ELIMINATION

Key to Unique BMP ID Numbers	Required BMP Title	Permit Reference
3A	Maintain and Update Storm Sewer System Map	14-1, 18.3
3B	Maintain and Update Illicit Discharge Sections of Stormwater Ordinance	18.4 – 18.5
3C	Illicit Discharge Detection and Elimination Plan	18.1 – 18.18
3D	Provide Illicit Discharge Employee Training Program	18.8
3E	Maintain Documentation System for Illicit Discharge Inspections and Reports	18.15

Minimum Control Measure 4: CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Key to Unique BMP ID Numbers	Required BMP Title	Permit Reference
4A	Maintain and Update Construction Stormwater Sections of Stormwater Ordinance	20.1 – 20.5
4B	Follow and Maintain Procedures for Project Site Reviews	20.4
4C	Establish and Maintain Procedures for Receipt of Public Reports of Noncompliant Construction Activities	19.10
4D	Establish and Maintain Procedures for Site Inspections	19.12
4E	Record and Maintain Database for Plan Reviews and Site Inspections	19.6 – 19.16

Minimum Control Measure 5: POST-CONSTRUCTION STORMWATER MANAGEMENT

Key to Unique BMP ID Numbers	Required BMP Title	Permit Reference
5A	Maintain and Update Post-Construction Stormwater Management Sections of Stormwater Ordinance	20.1 – 20.23
5B	Post-Construction Stormwater Management Program and Project Database	20.23

Minimum Control Measure 6: POLLUTION PREVENTION/GOOD HOUSEKEEPING

Key to Unique BMP ID Numbers	Required BMP Title	Permit Reference
6A	Municipal Operations and Maintenance Program with Facility Inventory	21.3
6B	Complete Annual Inspections of Structural Stormwater BMPs	21.9
6C	Complete Outfall and Pond Inspections Once per Permit Cycle	21.10
6D	Provide Good Housekeeping/Pollution Prevention Focused Training	21.12

BMP Summary Sheet

MS4 Name: Dakota County

Minimum Control Measure: 1-PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1A

***BMP Title:** Distribute Educational Materials

***BMP Description:**

In compliance with Part 16.1, this BMP shall implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of Storm Water discharges on water bodies and the steps that the public can take to reduce pollutants in Storm Water runoff.

The distributed materials shall be applicable and appropriate to the educational programs described in BMP Summaries 1C-1 through 1C-6. The types of materials may include fact sheets, brochures, newsletters, posters, informational handouts and other technical guidance documents. Distribution methods may include, mailing, new letters and handouts at educational or other public events.

The target audiences include:

- General Public
- Engaged Public
- County Government Staff
- Developers and Design Professionals
- Construction Trades
- Industrial Operators

Location(s) in SWPPP of detailed information relating to this BMP:

See Appendix "A" – Educational Strategy for additional information.

***Measurable Goals:**

Number of distributed educational materials as part of the educational programs described in BMPs 1c-1 through 1c-6.

***Timeline/Implementation Schedule:**

This BMP is in place as part of the County MS4 program and shall continue to be implemented throughout the duration of the MS4 permit.

Specific Components and Notes:

Education Program Component is BMP 1C-1

The following materials represent the types of educational materials to be distributed. The list shall be reviewed and revised as needed to remain current with the needs of the educational programs and availability.

- USEPA and MPCA Factsheets
- Mn Erosion & Sediment Control Association Factsheets
- Shoreline Restoration Folders
- Vermillion River Watershed Handbook
- Vermillion River Watershed Map

- Primary Education Resources Material Wetland Teaching Trunk
- Primary Education Resources Material Groundwater Model
- Primary Education Resources Material Water History Trunk
- Primary Education Resources Material Lake Monitoring Curriculum and Equipment
- Primary Education Resources Material Incredibly Journey Activity Box
- Project WET Curriculum and Workshops
- 125+ Books and Videos in the Library
- Phosphorus Reduction Pamphlets
- HACH Chemical Test Kits
- Wacky, Wild Wetlands Brochures
- Various other brochures and educational materials

***Responsible Party for this BMP:**

Name: Paula Liepold

Department: Water Resources Office

Phone: (952) 891-7117

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**Indicates a REQUIRED field. Failure to complete any required field will result in rejection of the application due to incompleteness.*

BMP Summary Sheet

MS4 Name: Dakota County

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1B

***BMP Title:** Implement an Education Program

***BMP Description:**

In compliance with Part 16.1, this BMP shall specifically implement an education program that individually addresses each minimum control measure:

- 1) Public education and outreach
- 2) Public participation
- 3) Illicit discharge detection and elimination
- 4) Construction site Storm Water runoff control
- 5) Post-construction Storm Water management in New Development and Redevelopment
- 6) Pollution prevention/good housekeeping for municipal operations.

The target audiences include:

- General Public
- Engaged Public
- County Government Staff
- Developers and Design Professionals
- Construction Trades
- Industrial Operators

The overall strategy of the program is to utilize partnerships with many other governmental, academic, private and non-profit organizations to more effectively direct the MS4 educational program to a wider range of targeted audiences at a greater frequency of occurrence. Educational components to address each of the minimum control measures will be integrated into the various cooperative educational activities as appropriate for the target audience and educational goal. The types of activities may include workshops, presentations, fairs, open houses, radio and television, professional seminars and industry sponsored conferences. The MS4 education program shall also conduct its' own educational activities if it is determined that the education goal may be more effectively met independently of the other agencies.

The key component of the MS4 education program shall be the ability to self-evaluate performance and the program flexibility to add partners and/or revise and adapt program activities to take advantage of opportunities to increase effectiveness and better achieve the required educational goal on an ongoing basis.

Location(s) in SWPPP of detailed information relating to this BMP:

See Appendix "A"- Educational Strategy for additional information.

***Measurable Goals:**

The implementation of the educational program that individually addresses each minimum control measure.

***Timeline/Implementation Schedule:**

This BMP is in place as part of the County MS4 program and shall continue to be implemented throughout the duration of the MS4 permit.

Specific Components and Notes:

Education Program Component is BMP 1C-1

The following partial list represents the program partners and the types of activities within the current MS4 education program. The list shall be reviewed and revised as needed to remain current with the needs of the educational programs and availability.

Partners and Activities

- MPCA – NPDES Pilot Partner
- Cities – NPDES/ MS4/ Building Inspectors ESC Workshops
- Townships – NPDES / ESC and local ordinances
- Watershed Management Organizations & Watershed Districts – Local Water Plans/ Standards / Rules
- U of Mn Extension – Volunteer, Research and Education
- Minnesota Erosion Control Association – ESC workshops and factsheets
- E-Team
- Project NEMO
- LID and Smart Growth Programs
- Outdoor Education Field Day
- Community Groups
- Nonprofit Organizations
- Conservation Districts
- Soil and Water Districts
- School Districts
- County, State and Federal Government Agencies

***Responsible Party for this BMP:**

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BMP Summary Sheet

MS4 Name: Dakota County

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1C-1

<p>*BMP Title: Education Program: Public Education and Outreach</p>
<p>*Audience(s) Involved:</p> <p>The target audiences include:</p> <ul style="list-style-type: none">• General Public• Engaged Public• County Government Staff• Developers and Design Professionals• Construction Trades• Industrial Operators
<p>*Educational Goals for Each Audience:</p> <p>The educational goals for each audience shall be an increased awareness, increased understanding, acquired skills to initiate changes in behavior that will reduce the impacts of Storm Water discharges on water bodies and provide information regarding the steps that can be taken to address the minimum control measure one.</p>
<p>*Activities Used to Reach Educational Goals:</p> <p>The types of activities may include workshops, presentations, fairs, open houses, radio and television, professional seminars and industry sponsored conferences. (See BMP 1B listings)</p> <p>The activity shall afford interested persons a reasonable opportunity to make oral statements and submit timely, relevant written materials concerning the Storm Water Pollution Prevention Program in a manner that ensures an opportunity for full and fair consideration of all views.</p>
<p>*Activity Implementation Plan:</p> <p>An activity implementation plan has been developed for the public education and outreach program for 2005-2006. The implementation plan identifies the responsible department in charge, entities responsible for given activities, and the anticipated schedules. The plan shall be reviewed and revised as needed to remain current with the needs of the educational programs and availability. See Appendix "A" – Educational Strategy for additional information.</p>
<p>*Performance Measures:</p> <p>Concurrent with each educational activity, ongoing observations of the participants shall be made to judge the effectiveness of the activity to achieve the educational goal in terms of awareness raised, understanding increased, skills learned and behaviors changed. Measurements may include the number of participants and testing results.</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Paula Liepold Department: Water Resources Office Phone: (952) 891-7117 E-mail: paula.liepold@co.dakota.mn.us</p>

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BMP Summary Sheet

MS4 Name: Dakota County

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1C-2

<p>*BMP Title: Education Program: Public Participation</p>
<p>*Audience(s) Involved:</p> <p>The target audiences include:</p> <ul style="list-style-type: none">• General Public• Engaged Public• County Government Staff• Developers and Design Professionals• Construction Trades• Industrial Operators
<p>*Educational Goals for Each Audience:</p>
<p>*Activities Used to Reach Educational Goals:</p> <p>The types of activities may include the County's public input outreach/solicitations on SWPPP adequacy, workshops, presentations, fairs, open houses, radio and television, professional seminars and industry conferences. (See BMP 1B listings)</p> <p>The activity shall afford interested persons a reasonable opportunity to make oral statements and submit timely, relevant written materials concerning the Storm Water Pollution Prevention Program in a manner that ensures an opportunity for full and fair consideration of all views.</p>
<p>*Activity Implementation Plan:</p> <p>An activity implementation plan has been developed for the public education and outreach program for 2005-2006. The implementation plan identifies the responsible department in charge, entities responsible for given activities, and the anticipated schedules. The plan shall be reviewed and revised as needed to remain current with the needs of the educational programs and availability.</p> <p>See Appendix "A" – Educational Strategy for additional information.</p>
<p>*Performance Measures:</p> <p>Concurrent with each educational activity, ongoing observations of the participants shall be made to judge the effectiveness of the activity to achieve the educational goal in terms of awareness raised, understanding increased, skills learned and behaviors changed. Measurements may include the number of participants and testing results.</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Paula Liepold Department: Water Resources Office Phone: (952) 891-7117 E-mail: paula.liepold@co.dakota.mn.us</p>

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BMP Summary Sheet

MS4 Name: Dakota County

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1C-3

<p>*BMP Title: Education Program: Illicit Discharge and Elimination</p>
<p>*Audience(s) Involved:</p> <p>The target audiences include:</p> <ul style="list-style-type: none">• General Public• Engaged Public• County Government Staff• Developers and Design Professionals• Construction Trades• Industrial Operators
<p>*Educational Goals for Each Audience:</p> <p>The educational goals for each audience shall be an increased awareness, increased understanding, acquired skills to initiate changes in behavior that will reduce the impacts of Storm Water discharges on water bodies and provide information regarding the steps that can be taken to address minimum control measure three.</p>
<p>*Activities Used to Reach Educational Goals:</p> <p>The types of activities may include the County's public input outreach/solicitations on SWPPP adequacy, workshops, presentations, fairs, open houses, radio and television, professional seminars and industry-sponsored conferences. (See BMP 1B listings)</p> <p>The activity shall afford interested persons a reasonable opportunity to make oral statements and submit timely, relevant written materials concerning the Storm Water Pollution Prevention Program in a manner that ensures an opportunity for full and fair consideration of all views.</p>
<p>*Activity Implementation Plan:</p> <p>An activity implementation plan has been developed for the public education and outreach program for 2005-2006. The implementation plan identifies the responsible department in charge, entities responsible for given activities, and the anticipated schedules. The plan shall be reviewed and revised as needed to remain current with the needs of the educational programs and availability.</p> <p>See Appendix "A" – Educational Strategy for additional information.</p>
<p>*Performance Measures:</p> <p>Concurrent with each educational activity, ongoing observations of the participants shall be made to judge the effectiveness of the activity to achieve the educational goal in terms of awareness raised, understanding increased, skills learned and behaviors changed. Measurements may include the number of participants and testing results.</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Paula Liepold</p> <p>Department: Water Resources Office</p> <p>Phone: (952) 891-7117</p> <p>E-mail: paula.liepold@co.dakota.mn.us</p>

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BMP Summary Sheet

MS4 Name: Dakota County

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1C-4

<p>*BMP Title: Education Program: Construction Site Run-off Control</p>
<p>*Audience(s) Involved:</p> <p>The target audiences include:</p> <ul style="list-style-type: none">• General Public• Engaged Public• County Government Staff• Developers and Design Professionals• Construction Trades• Industrial Operators
<p>*Educational Goals for Each Audience:</p> <p>The educational goals for each audience shall be an increased awareness, increased understanding, acquired skills to initiate changes in behavior that will reduce the impacts of Storm Water discharges on water bodies and provide information regarding the steps that can be taken to address minimum control measure four.</p>
<p>*Activities Used to Reach Educational Goals:</p> <p>The types of activities may include the County's public input outreach/solicitations on SWPPP adequacy, workshops, presentations, fairs, open houses, radio and television, professional seminars and industry-sponsored conferences. (See BMP 1B listings).</p> <p>The activity shall afford interested persons a reasonable opportunity to make oral statements and submit timely, relevant written materials concerning the Storm Water Pollution Prevention Program in a manner that ensures an opportunity for full and fair consideration of all views.</p>
<p>*Activity Implementation Plan:</p> <p>An activity implementation plan has been developed for the public education and outreach program for 2005-2006. The implementation plan identifies the responsible department in charge, entities responsible for given activities, and the anticipated schedules. The plan shall be reviewed and revised as needed to remain current with the needs of the educational programs and availability.</p>
<p>*Performance Measures:</p> <p>Concurrent with each educational activity, ongoing observations of the participants shall be made to judge the effectiveness of the activity to achieve the educational goal in terms of awareness raised, understanding increased, skills learned and behaviors changed. Measurements may include the number of participants and testing results.</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Paula Liepold Department: Water Resources Office Phone: (952) 891-7117 E-mail: paula.liepold@co.dakota.mn.us</p>

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incompleteness.

BMP Summary Sheet

MS4 Name: Dakota County

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1C-5

***BMP Title:** Education Program: Post-Construction Stormwater Management in New Development and Redevelopment

***Audience(s) Involved:**

The target audiences include:

- General Public
- Engaged Public
- County Government Staff
- Developers and Design Professionals
- Construction Trades
- Industrial Operators

***Educational Goals for Each Audience:**

The educational goals for each audience shall be an increased awareness, increased understanding, acquired skills to initiate changes in behavior that will reduce the impacts of Storm Water discharges on water bodies and provide information regarding the steps that can be taken to address minimum control measure five.

***Activities Used to Reach Educational Goals:**

The types of activities may include the MS4 annual meeting, workshops, presentations, fairs, open houses, radio and television, professional seminars and industry-sponsored conferences.

(See BMP 1B listings)

The activity shall afford interested persons a reasonable opportunity to make oral statements and submit timely, relevant written materials concerning the Storm Water Pollution Prevention Program in a manner that ensures an opportunity for full and fair consideration of all views.

***Activity Implementation Plan:**

An activity implementation plan has been developed for the public education and outreach program for 2005-2006. The implementation plan identifies the responsible department in charge, entities responsible for given activities, and the anticipated schedules. The plan shall be reviewed and revised as needed to remain current with the needs of the educational programs and availability.

***Performance Measures:**

Concurrent with each educational activity, ongoing observations of the participants shall be made to judge the effectiveness of the activity to achieve the educational goal in terms of awareness raised, understanding increased, skills learned and behaviors changed. Measurements may include the number of participants and testing results.

***Responsible Party for this BMP:**

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BMP Summary Sheet

MS4 Name: Dakota County

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1C-6

<p>*BMP Title: Education Program: Pollution Prevention/Good Housekeeping for Municipal Operations</p>
<p>*Audience(s) Involved:</p> <p>The target audiences include:</p> <ul style="list-style-type: none">• General Public• Engaged Public• County Government Staff• Developers and Design Professionals• Construction Trades• Industrial Operators
<p>*Educational Goals for Each Audience:</p> <p>The educational goals for each audience shall be an increased awareness, increased understanding, acquired skills to initiate changes in behavior that will reduce the impacts of Storm Water discharges on water bodies and provide information regarding the steps that can be taken to address minimum control measure six.</p>
<p>*Activities Used to Reach Educational Goals:</p> <p>The types of activities may include ongoing MS4 public comment soliciations, workshops, presentations, fairs, open houses, radio and television, professional seminars and industry-sponsored conferences. (See BMP 1B listings)</p> <p>The activity shall afford interested persons a reasonable opportunity to make oral statements and submit timely, relevant written materials concerning the Storm Water Pollution Prevention Program in a manner that ensures an opportunity for full and fair consideration of all views.</p>
<p>*Activity Implementation Plan:</p> <p>An activity implementation plan has been developed for the public education and outreach program for 2005-2006. The implementation plan identifies the responsible department in charge, entities responsible for given activities, and the anticipated schedules. The plan shall be reviewed and revised as needed to remain current with the needs of the educational programs and availability.</p>
<p>*Performance Measures:</p> <p>Concurrent with each educational activity, ongoing observations of the participants shall be made to judge the effectiveness of the activity to achieve the educational goal in terms of awareness raised, understanding increased, skills learned and behaviors changed. Measurements may include the number of participates and testing results.</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Paula Liepold Department: Water Resources Office Phone: (952) 891-7117 E-mail: paula.liepold@co.dakota.mn.us</p>

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BMP Summary Sheet

MS4 Name: Dakota County

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 1D

***BMP Title:** Coordination of Education Program

***BMP Description:**

In compliance with Part 16.1, this BMP shall be coordinated with and make effective use of other Storm Water education programs being conducted in Dakota County by other entities, including, but not limited to: community groups, nonprofit organizations, lake conservation districts, soil and water conservation districts, watershed districts, watershed management organizations, school districts, University of Minnesota Extension, and county, regional, state, and federal government.

The target audiences include:

- General Public
- Engaged Public
- County Government Staff
- Developers and Design Professionals
- Construction Trades
- Industrial Operators

Location(s) in SWPPP of detailed information relating to this BMP:

See Appendix "A" – Educational Strategy for additional information

***Measurable Goals:**

Concurrent with each educational activity, ongoing observations of the participants shall be made to judge the effectiveness of the activity to achieve the educational goal in terms of awareness raised, understanding increased, skills learned and behaviors changed. Measurements may include the number of participants and testing results.

***Timeline/Implementation Schedule:**

An activity implementation plan has been developed for the public education and outreach program for 2005-2006. The implementation plan identifies the responsible department in charge, entities responsible for given activities, and the anticipated schedules. The plan shall be reviewed and revised as needed to remain current with the needs of the educational programs and availability.

Specific Components and Notes:

Education Program Component is BMP 1C-1

The following partial list represents the program partners and the types of activities within the current MS4 education program. The list shall be reviewed and revised as needed to remain current with the needs of the educational programs and availability.

Coordination with other Storm Water Education programs

- MPCA
- Cities
- Townships
- WMOs & Watershed Districts
- U of Mn Extension
- MECA

- Community Groups
- Nonprofit Organizations
- Conservation Districts
- Soil and Water Districts
- School Districts
- County, State and Federal Government Agencies
- (See BMP 1B listings)

The examples below are some common volunteer programs used. Other areas, depending on self-assessment, will determine the most appropriate way to involve volunteers in the SWPPP.

- Stream clean-up day - Creating a day to have the interested public participate in cleaning up trash and debris along critical river segments. Measurable Goals- Number of volunteers participating in program, Miles of river cleaned during an annual reporting cycle.
 - Pond Monitoring - A good way to determine if your Stormwater Pollution Prevention Plan is working effectively is to establish a monitoring program. After some initial programs to educate the volunteers on appropriate monitoring techniques, comprehensive valuable data could be gathered using public participation while minimizing cost. Measurable Goals - Number of ponds registered for monitoring by volunteers, Number of volunteers in the monitoring program.
 - Reforestation- If forest restoration is an area targeted after self-assessment, consider developing a program allowing volunteers to assist in reestablishing native forest vegetation, installing educational signage and other program work. Measurable goals - Number of volunteer hours spent on forest restoration, Number of trees planted, Percentage of area restored.
 - Wetland Restoration- If wetlands restoration is an area targeted after self-assessment, consider developing a program allowing volunteers to assist in reestablishing native wetland vegetation, installing education signage and other program work. Measurable goals - Number of volunteer hours spent on wetland restoration, Number of wetlands replanted/restored
 - Storm drain stenciling- After identifying areas from the illicit discharge and elimination section of the permit, establish a program to stencil appropriate markings on storm inlets and allow public interest groups to assist. Measurable goals- Number of storm drains stenciled, Number of volunteers assisting with the program.
 - Adopt a Storm Drain Program- Volunteers are able to adopt certain storm drains allowing them to notify city of operation and maintenance procedures and illicit discharge. Measurable goal - Number of storm drains adopted
 - Adopt a Stream Program- Volunteers will adopt certain segments of streams to administer cleanup activities, monitor water quality, and watch for pollution sources within the segment. Consider developing a stream “report card” for them to report useful information periodically. Measurable goals- Number of participants in the program, Water quality at sites, Quantity of trash and debris removed by volunteers.
 - Volunteer Stream monitors-
 - Non-native eradication programs (buckthorn)- Organize annual or semi-annual volunteer programs to assist in the eradication of non-native plant species and the reestablishment of native under story and grassland. Measurable goals- Number of participants in the program, Acres of area treated, Acres of area replanted.
 - Wetland Monitoring- Continue coordination with and support of wetland health evaluation project implemented by the extension (Dakota County Environmental Education Program)
- Riverwatch Program- Continue coordination with and support of Vermillion Riverwatch Program implemented by the extension (Dakota County Environmental Education Program), SWCD, and Vermillion Watershed Organization

***Responsible Party for this BMP:**

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BMP Summary Sheet

MS4 Name: Dakota County

Minimum Control Measure: PUBLIC EDUCATION AND OUTREACH

Unique BMP Identification Number: 2A

<p>*BMP Title: Annual Opportunities for Public Input on SWPPP adequacy</p>
<p>*BMP Description:</p> <p>In compliance with Part 17.2, Dakota County MS4 shall provide ongoing opportunities for the public to comment on the adequacy of the County's SWPPP. In its stormwater-related education and outreach campaigns, the County will solicit input on the SWPPP and direct the public to the County's stormwater webpage where the SWPPP is available for viewing. The County will document and consider oral and written input submitted by the public to the County.</p> <p>The target audiences include:</p> <ul style="list-style-type: none">• General Public• Engaged Public• County Government Staff• Developers and Design Professionals• Construction Trades• Industrial Operators <p>Location(s) in SWPPP of detailed information relating to this BMP: The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.</p>
<p>*Measurable Goals:</p> <p>Completion of at least one written public engagement opportunity that advertises the availability of the County's SWPPP on the County website to solicit comments on the adequacy of the SWPPP at least once per year in compliance with the permit requirements.</p>
<p>*Timeline/Implementation Schedule:</p> <p>This BMP is in place as part of the County MS4 program and shall continue to be implemented throughout the duration of the MS4 permit.</p>
<p>Specific Components and Notes:</p> <p>Education Program Component is BMP 1C-2. Dakota County will document all comments or complaints received regarding Dakota County's SWPPP during ongoing County solicitations for SWPPP input from the public, and throughout each reporting year. Dakota County will consider all comments and make changes to the SWPPP as needed to improve the program and health of local receiving waters.</p>
<p>*Responsible Party for this BMP:</p> <p>Name: Mike Behan Department: Environmental Resources Phone: (952) 891-7539 E-mail: michael.behan@co.dakota.mn.us</p>

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BMP Summary Sheet

MS4 Name: Dakota County

Minimum Control Measure: 2-PUBLIC PARTICIPATION/INVOLVEMENT

Unique BMP Identification Number: 2B

***BMP Title:** Solicit Public Input and opinion on the Adequacy of the SWPPP

***BMP Description:**

In compliance with Part 17.2, this BMP shall solicit public input and opinion on the adequacy of the Storm Water Pollution Prevention Program, including input from ongoing County solicitations for SWPPP input from the public, each year prior to submittal of the annual report to the MPCA.

The target audiences include:

- General Public
- Engaged Public
- County Government Staff
- Developers and Design Professionals
- Construction Trades
- Industrial Operators

Location(s) in SWPPP of detailed information relating to this BMP:

The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.

***Measurable Goals:**

Number of public input and opinions received.

***Timeline/Implementation Schedule:**

This BMP is in place as part of the County MS4 program and shall continue to be implemented throughout the duration of the MS4 permit.

Specific Components and Notes:

Education Program Component is BMP 1C-2

Public input may be submitted orally or in writing via ongoing County solicitations for SWPPP input from the public or by calling the Dakota County Water Resources Manager at (952) 891-7000 during normal business hours Monday through Friday, between 8:00am and 4:30pm.

***Responsible Party for this BMP:**

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Department: Transportation

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BMP Summary Sheet

MS4 Name: Dakota County

Minimum Control Measure: 2-PUBLIC PARTICIPATION/INVOLVEMENT

Unique BMP Identification Number: 2C

***BMP Title:** Document and Evaluate Public Input on SWPPP

***BMP Description:**

In compliance with Part 17.7, this BMP shall consider the public input, oral and written, to the Storm Water Pollution Prevention Program and shall make adjustments to its programs that it finds appropriate.

The target audiences include:

- General Public
- Engaged Public
- County Government Staff
- Developers and Design Professionals
- Construction Trades
- Industrial Operators

Location(s) in SWPPP of detailed information relating to this BMP:

The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.

***Measurable Goals:**

Number of public inputs, oral and written, considered for program adjustments.

***Timeline/Implementation Schedule:**

This BMP is in place as part of the County MS4 program and shall continue to be implemented throughout the duration of the MS4 permit.

Specific Components and Notes:

Education Program Component is BMP 1C-2

The Dakota County Water Resources Manager shall be responsible for considering the public input and determining if any of the comments merit a revision to the SWPPP.

***Responsible Party for this BMP:**

Name: Todd Howard

Department: Transportation

Phone: (952) 891-7926

E-mail: todd.howard@co.dakota.mn.us

**Indicates a REQUIRED field. Failure to complete any required field will result in rejection of the application due to incompleteness.*

BMP Summary Sheet

Minimum Control Measure: 3-ILLICIT DISCHARGE DETECTION & ELIMINATION

Unique BMP ID Number: 3A

BMP Title: Maintain and Update Storm Sewer System Map
<p>BMP Description:</p> <p>In compliance with Part 14-1 and 18.3, Dakota County shall develop a storm sewer system map to assist with management of its storm sewer system and to support with implementation and enforcement of a program to detect and eliminate illicit discharges as defined at 40 CFR § 122.26(b)(2).</p> <p>The map shall show the location of the following structures and items within the MS4 system:</p> <ol style="list-style-type: none"> 1) All receiving waters (i.e., ponds, streams, lakes and wetlands). 2) Structural pollution control devices (grit chambers, separators, bioretention areas, etc.) 3) All pipes and conveyances in your system as a goal, but at minimum, those pipes that are 12 inches in diameter and over 4) Outfalls, including discharges from the Dakota County MS4 system to other MS4s, or waters and wetlands that are not part of your system (where Dakota County does not have operational control); structures that discharge storm water directly into groundwater; overland discharge points and all other points of discharge from the system that are outlets, but not diffuse flow areas. Although water inherently passes from the Dakota County MS4 area to other MS4 areas within catchbasin and manhole structures connected to City MS4s, these are not considered outfalls in the sense of the permitted locations.
<p>Target Audiences:</p> <ul style="list-style-type: none"> <li style="width: 50%;">• General and Engaged Public <li style="width: 50%;">• Construction Trades/Contractors <li style="width: 50%;">• County Government Staff <li style="width: 50%;">• LGU Stormwater Professionals <li style="width: 50%;">• Industrial Operations/Facilities <li style="width: 50%;">• Road Maintenance Staff
<p>Location(s) in SWPPP of detailed information relating to this BMP:</p> <ul style="list-style-type: none"> • Refer to the storm sewer system map in Appendix A
<p>Measurable Goals:</p> <ul style="list-style-type: none"> • Complete an annual review of the storm sewer system map and updates if necessary.
<p>Timeline/Implementation Schedule:</p> <p>This BMP is in place as part of the County MS4 program and shall continue to be implemented throughout the duration of the MS4 permit. 44.91021</p>
<p>Specific Components and Notes:</p> <p>None.</p>
<p>Responsible Party for this BMP:</p> <p>Name: Mike Behan Phone: (952) 891-7539 Department: Environmental Resources Email: michael.behan@co.dakota.mn.us</p>

BMP Summary Sheet

Minimum Control Measure: 3-ILLICIT DISCHARGE DETECTION & ELIMINATION

Unique BMP ID Number: 3B

BMP Title: Maintain and Update Illicit Discharge Sections of Stormwater Ordinance
BMP Description: In compliance with Part 18.1, this BMP shall maintain and update the established stormwater ordinance (Dakota County Ordinance No. 132) and its sections that effectively prohibit non-storm water discharges into the storm sewer system and implement appropriate enforcement procedures and actions.
Target Audiences: <ul style="list-style-type: none"> <li style="width: 50%;">• General and Engaged Public <li style="width: 50%;">• Construction Trades/Contractors <li style="width: 50%;">• County Government Staff <li style="width: 50%;">• LGU Stormwater Professionals <li style="width: 50%;">• Industrial Operations/Facilities
Location(s) in SWPPP of detailed information relating to this BMP: <ul style="list-style-type: none"> • Refer to Dakota County Ordinance No. 132 in Appendix B • Additional County Ordinances noted below
Measurable Goals: <ul style="list-style-type: none"> • Bi-annual review meetings on Ordinance No. 132 compliance with the permit and updates if necessary.
Timeline/Implementation Schedule: Dakota County Ordinance No. 132 was drafted and established in 2012 and meets the general MS4 NPDES permit requirements for a regulatory mechanism and will continue to be implemented. Updates to the ordinance are expected to be submitted for approval in early 2016 to ensure the ordinance meets other MCMs (e.g., construction stormwater runoff control). Established language for illicit discharge prohibition elements will be reviewed at that time and updated if necessary.
Specific Components and Notes: There are no specific components to this BMP beyond Dakota County Ordinance #132. Dakota County will also continue to enforce applicable rules regarding illegal dumping and other waste disposals that are not directly related to stormwater but could regulate illicit discharges. Illegal dumping in violation of these ordinances has the potential to affect stormwater through unpermitted disposals in areas like backyards adjacent to waterways and commercial and industrial sites adjacent to County and municipal stormwater systems. State and local rules may also be leveraged to regulate illicit discharges from specific sites. Additional Dakota County ordinances in place to regulate illegal dumping and illicit discharges: <ul style="list-style-type: none"> • Solid Waste Ordinance 110: sections 2.102 and 3.01 address illicit solid waste • Hazardous Waste Ordinance 111: sections 2.01 and 2.02 address illicit hazardous waste • Subsurface Sewage Treatment Systems Ordinance 113: sections 103.24, 209.3, and 212.5 address illicit sewage discharges • Parks Ordinance 107: section G addresses pet waste disposal requirements on County property
Responsible Party for this BMP: Name: Mike Behan Phone: (952) 891-7539 Department: Environmental Resources Email: michael.behan@co.dakota.mn.us

BMP Summary Sheet

Minimum Control Measure: 3-ILLCIT DISCHARGE DETECTION & ELIMINATION

Unique BMP ID Number: 3C

BMP Title: Illicit Discharge Detection and Elimination Plan
BMP Description: <p>This BMP establishes a series of practices and guidelines to meet illicit discharge requirements listed in Parts 18.1-18.18 of the general MS4 NPDES permit. The plan will include the following components:</p> <ol style="list-style-type: none">1) A description of how illicit discharge detection will be incorporated into inspection and maintenance activities.2) A description of methods available for tracking illicit discharges during inspections.3) Summaries of priority areas where illicit discharges may be more likely.4) Procedures for completion and follow-up on illicit discharges detected.
Target Audiences: <ul style="list-style-type: none">• General and Engaged Public• County Government Staff• State Agency/Duty Officer Reps.• Industrial Operations/Facilities
Location(s) in SWPPP of detailed information relating to this BMP: <ul style="list-style-type: none">• Refer to Dakota County Ordinance No. 132 in Appendix B for ERPs.
Measurable Goals: <ul style="list-style-type: none">• Number of illicit discharge reports made that were followed-up on by County staff• Complete annual review of illicit discharges noted during inspection and maintenance activities.• Complete bi-annual review meetings on the BMP and complete updates if necessary.
Timeline/Implementation Schedule: <p>Dakota County's inspection program, agreements with other permitted MS4s, training program, and education program currently satisfy the permit requirements.</p>
Specific Components and Notes: <p><u>Detection during inspections and maintenance:</u></p> <p>For the Dakota County MS4 area, the majority of inspections and maintenance activities are related to road conditions, with plowing, deicing, and street sweeping being the primary activities affecting stormwater discharges. Due to maintenance agreements between Dakota County and the municipalities within its boundaries, storm sewer maintenance is typically completed by municipal staff. However, County maintenance professionals (i.e. field staff) are trained in IDDE and are required to inspect and report any signs of illicit discharges during all maintenance activities. Due to the potential safety hazards related to driving at moderate speeds and plowing, the County encourages observation of potential dumping and catchbasin conditions primarily during street sweeping activities. County maintenance professionals are encouraged to report these conditions to the maintenance supervisor, who can document the suspected issue with the "report a roadway concern" process made available to the public that creates a record of the report (see BMP 3e).</p> <p><u>Tracking system:</u></p> <p>Due to the MS4 connection to the County road right-of-way, the County Transportation department utilizes the "report a roadway concern" system made available to the public for reporting issues including illicit discharges (see BMP 3e).</p> <p><u>Priority areas where illicit discharges more likely to occur:</u></p>

Given the nature of the County road right-of-way and its reach into nearly all areas of the local MS4 communities, the priority areas are less defined than in a city. However, the County has identified priority areas based on nearby land use, age of infrastructure/lack of right-of-way, and redevelopment activity. These areas mesh with the likeliest forms of discharge to County Roads, including illegal surface connections to county roads (nearby industrial users), contractor/homeowner dumping (lack of right-of-way), and construction and utility washout and discharges (high pace of development). These attributes suggest the following priority areas:

- County Road (CR) 31 (Pilot Knob Road) from MN Hwy. 13 to I-35E in Mendota Heights/Eagan due to predominantly industrial/commercial uses nearby.
- CR-4 (Butler Ave.), CR-6 (Thompson Ave.), CR-8 (Wentworth Ave.), CR-14 (Southview Blvd.), and CR-73 (Oakdale Ave.) in West St. Paul/South St. Paul due to limited right-of-way.
- CR-56 (Concord Blvd.) from I-494 in South St. Paul to US-52 in Inver Grove Heights due to limited right-of-way and adjacent industrial uses.
- CR-26 (Lone Oak Road) from CR-31 in Eagan to US-52 in Inver Grove Heights due to industrial uses and pace of development in Inver Grove Heights.
- CR-28 (Yankee Doodle Road) from CR-43 to Dodd Rd. in Eagan due to adjacent industrial uses.
- CR-5 and CR-32 (Cliff Road) north of MN-13 in Burnsville due to adjacent industrial uses.
- CR-42 (150th St.) and CR-46 (160th St.) in Apple Valley and Rosemount due to adjacent gravel pit operations and potential redevelopment.
- CR-23 (Cedar Ave.) and CR-9 (Dodd Blvd.) in Lakeville where portions of the MS4 is adjacent to agricultural land due to potential for redevelopment (primarily south of 175th St.).
- CR-31 (Pilot Knob Road/Denmark Ave.) and CR-64 (195th St.) in Farmington near agricultural land due to potential redevelopment and CR-74 (Ash St/220th St.) in Farmington due to limited right-of-way.

Procedures for identified or reported illicit discharges and spills:

For each discharge reported via the public reporting system or through internal procedures, the below process for follow-up measures will occur:

1. Contact will be made with the local MS4 community about the illicit discharge report and whether it has been reported to the MS4 in addition to the County and about potential actions to stop the discharge or recover the discharge if possible.
2. Perform a follow-up visit to the location of the incident will be made to gather any additional information or to work with the local MS4 community to ensure discharges have ceased.
3. If a potential discharger is observed during the act, and information about the discharger is available through the report, an initial attempt to contact the responsible parties will be made to gather information about the incident or illicit condition observed.
4. **In the case of spills or leaks as defined in Minn Stat. § 115.061, the Minnesota Department of Public Safety Duty Officer shall be immediately notified - (651) 649-5451. In most cases, spills are first responded to by the local fire department who notifies the Duty Officer. Dakota County does not provide local fire services, but its staff would report to 911 and the duty officer for discovered spills or discharges.**
5. **In the case of a spill, County staff will provide support to the responsible party to the extent possible, but will require any needed corrective action to be implemented by the responsible party. County staff will assist the responsible party, when safe and feasible, to slow and/or contain the spill and prevent drainage into the MS4.**
6. A notice of the report of the incident including the date, time, location, and a description of the incident will be included with the notice. A copy of the relevant sections of Dakota County Ordinance #132 and any applicable local ordinances as well as the selected enforcement response procedure will be submitted to the contact as well. This action should be worked through the County Attorney's office if necessary.
7. Depending on the type of procedure initiated, further actions beyond initiation of the procedure will be completed through the County Attorney's office.

Note: The City of Eagan has instituted a program to report illicit discharges via 911 and relay reported discharges to the appropriate city staff for follow-up. City staff members responsible for this have expressed interest in making this program standard in the MS4s of Dakota County and the reporting process may change in 2016 as a result.

Beyond the activities described above, Dakota County will continue to work with the local MS4 communities to implement illicit discharge programs as needed. The County will also enforce the ordinances referenced in BMP 3b including the subsurface treatment ordinance, requiring inspection of septic systems, preventing illicit connections at install, and following-up with punitive measures.

Responsible Party for this BMP:

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BMP Summary Sheet

Minimum Control Measure: 3-ILICIT DISCHARGE DETECTION & ELIMINATION

Unique BMP ID Number: 3D

BMP Title: Provide Illicit Discharge Employee Training Program				
<p>BMP Description:</p> <p>Through this BMP, Dakota County will train employees affected by illicit discharge activities, specifically those working in parks and road maintenance, to meet permit requirements listed in Part 18.8. Training activities including illicit discharge training are anticipated to be a combination of internal training sessions provided by Environmental Resources staff working in the MS4/stormwater area to other County departments and potentially external training sessions.</p>				
<p>Target Audiences:</p> <ul style="list-style-type: none"> <li style="width: 50%;">• County Government Staff <li style="width: 50%;">• Parks/Roads Maintenance Staff <li style="width: 50%;">• Industrial Operations/Facilities <li style="width: 50%;">• Contractors/Contract Workers 				
<p>Location(s) in SWPPP of detailed information relating to this BMP:</p> <ul style="list-style-type: none"> • Training is contained in this BMP and is connected to the overall pollution prevention training provided to employees (see BMP 6e). • Documentation of this training is completed with the pollution prevention training and per the details of BMP 6e. 				
<p>Measurable Goals:</p> <ul style="list-style-type: none"> • Completion of the illicit discharge training components at the frequency and for the audiences noted in the Dakota County MS4 Internal Training Plan. 				
<p>Timeline/Implementation Schedule:</p> <p>Implementation of the internal training plan as redeveloped in 2015 began in October 2015 and is expected to be continued on an annual basis.</p>				
<p>Specific Components and Notes:</p> <p>Illicit discharge training for maintenance staff is completed as part of the “General Stormwater Management and Pollution Prevention Training” discussed in BMP 6e. The portion of that training dedicated to illicit discharges covers the definition of illicit discharges, what illicit discharges might look like on County Roads, and how to report illicit discharges to the maintenance supervisor.</p>				
<p>Responsible Party for this BMP:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Name: Todd Howard</td> <td style="width: 50%;">Phone: (952) 891-7926</td> </tr> <tr> <td>Department: Transportation</td> <td>Email: todd.howard@co.dakota.mn.us</td> </tr> </table>	Name: Todd Howard	Phone: (952) 891-7926	Department: Transportation	Email: todd.howard@co.dakota.mn.us
Name: Todd Howard	Phone: (952) 891-7926			
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BMP Summary Sheet

Minimum Control Measure: 3-ILICIT DISCHARGE DETECTION & ELIMINATION

Unique BMP ID Number: 3E

BMP Title: Maintain Documentation System for Illicit Discharge Inspections and Reports				
<p>BMP Description:</p> <p>In compliance with Part 18.15 of the general MS4 permit, Dakota County has incorporated illicit discharge detection into all inspection and maintenance activities and will maintain records of all illicit discharges reported by the public or by County staff as well as any inspection reports or other follow-up information. The County Transportation department public reporting system will be used to track public reports of illicit discharges.</p>				
<p>Target Audiences:</p> <ul style="list-style-type: none"> <li style="width: 50%;">• County Government Staff <li style="width: 50%;">• Parks/Roads Maintenance Staff <li style="width: 50%;">• Industrial Operations/Facilities <li style="width: 50%;">• Contractors/Contract Workers 				
<p>Location(s) in SWPPP of detailed information relating to this BMP:</p> <ul style="list-style-type: none"> • None 				
<p>Measurable Goals:</p> <ul style="list-style-type: none"> • A chain of records from reporting to completion of an inspection/follow-up activity should be documented for every discharge reported by the public or by a County employee. 				
<p>Timeline/Implementation Schedule:</p> <p>The County reporting system is already in-place for residents and County employees and shall be maintained by the Transportation department. Advertising of the use of this service for stormwater-related reporting to the public and County employees is completed through the external Dakota County website and through illicit discharge training, respectively.</p>				
<p>Specific Components and Notes:</p> <p>Information on illicit discharges and stormwater is located on the Dakota County external website. The website contains a link to the Transportation department’s “Report a Roadway Concern” page located at https://www.co.dakota.mn.us/Transportation/Contact/Pages/default.aspx. Residents can also contact the department via telephone at 952-891-7000. Concerns reported through either of these contact methods are recorded in a database.</p> <p>Citizens are encouraged to contact city authorities for stormwater concerns on city roads and streets. Instructions for dialing 911 or the Minnesota Duty Officer (800-422-0798) for active chemical or petroleum product spills and other emergencies if the party responsible for a spill is unable to do so are provided on with the report a roadway concern information.</p>				
<p>Responsible Party for this BMP:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Name: Todd Howard</td> <td style="width: 50%;">Phone: (952) 891-7926</td> </tr> <tr> <td>Department: Transportation</td> <td>Email: todd.howard@co.dakota.mn.us</td> </tr> </table>	Name: Todd Howard	Phone: (952) 891-7926	Department: Transportation	Email: todd.howard@co.dakota.mn.us
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BMP Summary Sheet

Minimum Control Measure: 4-CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Unique BMP ID Number: 4B

BMP Title: Follow and Maintain Procedures for Project Site Reviews
<p>BMP Description:</p> <p>The majority of projects taking place within and draining to the Dakota County MS4 area are County construction projects. Review of stormwater and erosion and sediment control plans has traditionally been completed as part of the design process. However, Dakota County will ensure compliance with Part 20.4 of the general MS4 permit by following an established process through which project review is provided by Environmental Resources staff. The site plan review process is described in the recently amended Ordinance No. 132.</p>
<p>Target Audiences:</p> <ul style="list-style-type: none"> <li style="width: 50%;">• County Government Staff <li style="width: 50%;">• LGU Stormwater Professionals <li style="width: 50%;">• Contractors <li style="width: 50%;">• Developers
<p>Location(s) in SWPPP of detailed information relating to this BMP:</p> <ul style="list-style-type: none"> • Provisions for review will be included in Dakota County Ordinance No. 132 (Appendix B). • The Project Site Plan/SWPPP Review Checklist (location noted below)
<p>Measurable Goals:</p> <ul style="list-style-type: none"> • All Dakota County construction projects within the MS4 will have a documented project plan and SWPPP review completed by the Environmental Resources Department and completion of the reviews will be done on an annual basis. Non-County construction projects triggering Ordinance 132 will be identified by the Right-of-Way Permit Manager and reviews coordinated with Environmental Resources Department staff.
<p>Timeline/Implementation Schedule:</p> <p>Dakota County’s Environmental Resources department has begun completing a review form during the design process of its internal projects. This is in addition to the internal review already completed by project design staff in previous years. Dakota County Ordinance No. 132 language on project site plan reviews will be included in 2016 updates to the ordinance to ensure that the possibility for external projects located in the County MS4 area are subject to review.</p>
<p>Specific Components and Notes:</p> <p>For all projects located in the Dakota County MS4 area, a project site plan and SWPPP review will be completed by the Environmental Resources Department. This review will be on top of the previous reviews and uses of specifications to implement and maintain proper measures on County construction projects. These measures have always been implemented on County construction projects, and consultant architects and engineers employed by the County to prepare design plans will continue to be provided with specific standards.</p> <p>With internal projects completed by the Transportation department and other departments, a review completed by the Environmental Resources department creates a form of outside review that meets the intent of the MS4 permit. Due to the County’s lack of land use authority in the MS4 area, it is expected that most other projects will be subject to the review requirements of the local MS4 community.</p> <p>Environmental Resources department staff members responsible for the implementation of this BMP will work with project managers from other departments throughout the design process. The timing of the completion of the project site plan review will depend on the specific project, but it is expected</p>

that the review form be completed near the end of the design phase of the project. The targeted time is somewhere between 90-100% of completion of design.

The staff member responsible for completing the review will complete the Project Site Plan/SWPPP Review Checklist maintained by the department.

Upon completion, the form should be transmitted to the County project manager along with any related draft redlines and other comments for incorporation into the final plans and documents. Barring any major changes to the permanent stormwater management design, a copy of the form should be saved for each project. If there are significant changes to the permanent stormwater management design of a project, the review may need to be completed a second time to ensure that the Construction Stormwater Permit and all local and watershed requirements are met.

Responsible Party for this BMP:

Name: Mike Behan

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Department: Environmental Resources

Email: michael.behan@co.dakota.mn.us

BMP Summary Sheet

Minimum Control Measure: 4-CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Unique BMP ID Number: 4C

BMP Title:	Establish and Maintain Procedures for Receipt of Public Reports of Noncompliant Construction Activities				
BMP Description:	To comply with Part 19.10, the Dakota County MS4 must have methods and procedures to allow the public to provide comments on noncompliant construction activities. To receive public reports of noncompliance, the County will utilize the County Transportation department public reporting system (same system as for illicit discharge reports). It is anticipated that the system can process reports of noncompliant construction projects with construction stormwater permits as well as reports of random smaller events related to construction that fit more with illicit discharges (e.g., concrete waste dumping or directional drilling cuttings discharge).				
Target Audiences:	<ul style="list-style-type: none"> <li style="display: inline-block; width: 45%;">• County Government Staff <li style="display: inline-block; width: 45%;">• General and Engaged public <li style="display: inline-block; width: 45%;">• Contractors <li style="display: inline-block; width: 45%;">• Utility Companies/Workers 				
Location(s) in SWPPP of detailed information relating to this BMP:	<ul style="list-style-type: none"> • The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP. 				
Measurable Goals:	<ul style="list-style-type: none"> • Number of reports of non-compliance submitted by the public for construction projects in the MS4 area. • Document all public concerns expressed regarding construction stormwater and review and annual project review meetings. 				
Timeline/Implementation Schedule:	The County reporting system is already in-place for residents and County employees and shall be maintained by the Transportation department. Advertising of the use of this service for stormwater-related reporting to the public and County employees will begin with training and external County website updates in late 2015.				
Specific Components and Notes:	Information on construction projects is located on the Dakota County external website. The road construction webpage contains “contact us” links and the larger Transportation department webpages have a “Report a Roadway Concern” page located at https://www.co.dakota.mn.us/Transportation/Contact/Pages/default.aspx . Residents can also contact the department via telephone at 952-891-7000. Concerns reported through either of these contact methods are recorded in a database.				
Responsible Party for this BMP:	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Name: Todd Howard</td> <td style="width: 50%;">Phone: (952) 891-7926</td> </tr> <tr> <td>Department: Transportation</td> <td>Email: todd.howard@co.dakota.mn.us</td> </tr> </table>	Name: Todd Howard	Phone: (952) 891-7926	Department: Transportation	Email: todd.howard@co.dakota.mn.us
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BMP Summary Sheet

Minimum Control Measure: 4-CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Unique BMP ID Number: 4D

BMP Title: Establish and Maintain Procedures for Site Inspections
BMP Description: <p>Dakota County must have established procedures for site inspections completed as the MS4 authority to comply with Part 19.12 of the general MS4 permit. Projects that are completed in the Dakota County MS4 are County projects and typically have a construction project manager and site representative. One of the project manager's duties is to ensure that contractors completing the County project are meeting the requirements of the general construction stormwater permit and other applicable stormwater standards or rules. County authority for inspection of non-county construction sites extends only to the MS4 area and shoreland zoning districts in the unincorporated areas where it has land use authority.</p> <p>In addition to providing on-site personnel to manage County contractors, the County, through the Environmental Resources Department, will perform inspections of County construction sites permitted under the general construction stormwater permit and located in the MS4 area. Issues of noncompliance will be reported to the site project managers along with recommended actions for follow-up or potential actions (via enforcement response procedures outlined in Ordinance No. 132). These inspections will serve as the method of MS4 regulation intended through the general MS4 permit. The inspection procedure template outlined in this BMP can be utilized on all County construction projects that are authorized under the general construction stormwater permit (i.e., even for those located outside the MS4 area).</p> <p>If Dakota County is the responsible MS4 authority for any non-County projects that are located in or near the County right-of-way and are not being permitted by the local governmental unit, the same procedures will be followed with few exceptions as noted below. Inspections of these projects will be completed by the Environmental Resources department, and the determinations of compliance and follow-up response actions will be made solely by the inspector and provided to the project owner or contractor contact.</p>
Target Audiences: <ul style="list-style-type: none">• County Government Staff• Contractors• LGU Stormwater Professionals• Developers• Utility Companies/Workers
Location(s) in SWPPP of detailed information relating to this BMP: <ul style="list-style-type: none">• The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.
Measurable Goals: <ul style="list-style-type: none">• Inspections and corresponding reports are documented for all County construction projects in the MS4 area.• A decrease in the number of follow-up inspections will be observed from 2016 to 2018 (the remainder of the MS4 permit term).
Timeline/Implementation Schedule: <p>Dakota County has provided construction site managers trained in erosion and sediment control measures for its projects for many years. MS4 inspections by the Environmental Resources department have begun in 2015 under a similar structure and will be solidified for construction</p>

projects ongoing and those starting in 2016.

Specific Components and Notes:

- On Dakota County projects, on-site Project Manager responsibilities include:
 - Dakota County will require all project site managers to be trained in erosion and sediment control. CPESC, MECA, MnDOT, or U of M stormwater training will be used. Alternatively, Environmental Resources staff trained in erosion and sediment control can be used to supplement a project manager during construction;
 - Periodically inspect construction sites to ensure that the contractor is complying with the contract specifications and project stormwater pollution prevention plan. While Dakota County requires that contractors complete the weekly and post-rainfall inspections, project managers are encouraged to perform their own inspections at regular intervals and especially after rainfall events;
 - If applicable, utilize the special provisions included in the construction contract to assess non-compliance fines to be enforced on County projects when necessary, including, but not limited to:
 - Apply the monetary deduct for failure to complete a required inspection;
 - Apply the daily charge (per device) for failure to install or maintain temporary erosion and sediment control and stormwater management measures;
 - Apply the daily charge (per device) for failure to complete actions required of the contractor within 24 hours of receipt of a work order.
 - Be available for a post-inspection meeting with the Environmental Resources Department inspector, or where practical based on site size, complete inspection walkthrough with the inspector;
 - Convey the construction actions found to be necessary through an Environmental Resources department inspection to the responsible contractor personnel;
 - Provide feedback to the Environmental Resources inspector on whether construction actions have been taken after the recommended action period;
 - Provide communication preferences to Environmental Resources inspector on a per project basis and indicate whether the contractor or representatives can be contacted directly by Environmental Resources staff with recommended actions.
- Dakota County Environmental Resources/MS4 Inspector actions and responsibilities during an inspection include:
 - Make contact with the Dakota County project manager/on-site representative or appropriate contractor or consultant representative before the inspection.
 - Confirm access to all areas of site to be inspected and whether there are project areas with restricted access due to project activities (e.g., blasting, heavy truck traffic, etc.). Work to develop an alternate arrangement for inspecting these areas;
 - Wear appropriate safety gear (steel-toed shoes, safety vest, safety glasses, and hard-hat) when necessary and bring identification or County information;

- If possible, limit interaction with contractors and simply state who you are and what you are doing on the site if asked by contractors;
- The inspector should make an effort to refrain from directing work unless an imminent threat to the environment is present. Severe project deficiencies and project conditions causing such harm should be brought to the attention of responsible representatives of the contractor and the owner/Dakota County immediately;
- An inspection form (paper or electronic) should be brought to the site to be completed during the inspection or completed as soon as possible upon returning to the office based on field notes taken at the project site.
- Follow-up construction actions or recommendations for enforcement response procedures shall be communicated to the County project manager by the end of the next business day whenever possible. The inspector will inform the project manager of any plans for follow-up inspections based on the site conditions observed during the inspection;
- Complete follow-up inspection within 5-7 business days of the original inspection.
- For County projects, the Environmental Resources inspector can recommend an enforcement response procedure be initiated by speaking directly with the on-site project manager. In response, on-site project managers can then:
 - Agree with the enforcement procedure and assist the inspector in serving the notice of violation or other action to the contractor;
 - Disagree with the enforcement procedure and meet with the inspector and the Assistant County Engineer responsible for construction or his or her delegate who will determine whether the notice or other action will be served.
- Dakota County Ordinance 132 and all fines and stop-work procedures contained therein will apply to all projects located in the MS4 area, including Dakota County projects. For County projects, the project specifications and construction contract will spell out additional project-specific stop work procedures that may be enforced on County projects.
- If any non-County projects are to be administered under the Dakota County MS4 rather than the local governmental unit with land use authority and inspected for compliance by Environmental Resources staff, the above procedures for the inspector will be followed with the following exceptions:
 - The point of contact for the inspection and any other communication will be the contractor/site representative managing the site and responsible for compliance with a construction stormwater permit.
 - Recommendations and areas of non-compliance will be formally issued to the responsible contractor/site representative 2-5 business days after the initial inspection. A follow-up inspection will be completed within 5-7 business days of the issuance of a notice of required actions.
- Site inspection frequency will be determined on a site by site basis, but Dakota County Environmental Resources inspectors will have the goal of completing inspections at a rate of at least bi-monthly (every other month) with a target of monthly inspections. More frequent site inspections are allowed and may be preferred based on site aspects or the preferences of the

on-site project manager. Sites determined to be high priority will be targeted for inspections at a frequency greater than once per month.

- High priority sites will be established based on their proximity to surface waters (lakes, rivers, streams, and wetlands), the scale of stormwater management by volume, the use of complex stormwater management features, the visibility of the site based on the public involvement process, and the size of the site in terms of disturbed acreage, in that order.

Responsible Party for this BMP:

Name: Mike Behan

Phone: (952) 891-7539

Department: Environmental Resources

Email: michael.behan@co.dakota.mn.us

BMP Summary Sheet

Minimum Control Measure: 4-CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Unique BMP ID Number: 4E

BMP Title: Record and Maintain Database for Plan Reviews and Site Inspections
<p>BMP Description:</p> <p>All plan review efforts and site inspections must be documented and retained in accordance with Part 20.4 of the general MS4 permit. For the purposes of meeting this portion of the permit, the site plan reviews and comments and the site inspections completed by the Environmental Resources department will serve as the MS4 regulatory inspections and will therefore be documented and maintained accordingly.</p>
<p>Target Audiences:</p> <ul style="list-style-type: none"> • County Government Staff • LGU Stormwater Professionals
<p>Location(s) in SWPPP of detailed information relating to this BMP:</p> <ul style="list-style-type: none"> • The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.
<p>Measurable Goals:</p> <ul style="list-style-type: none"> • By end of permit cycle, have 90%+ of project site reviews and inspections in database.
<p>Timeline/Implementation Schedule:</p> <p>As of the beginning of 2015, the County has only kept records of inspections completed by the project contractors, and site plan reviews have not been documented due to their completion as part of the project design process. Records of cross-department plan review and site inspections completed by an Environmental Resources staff member will be maintained in a separate database to meet the requirements of the permit.</p>
<p>Specific Components and Notes:</p> <ul style="list-style-type: none"> • Documentation of a site plan review shall include, at a minimum, the following information: <ul style="list-style-type: none"> ○ Project name; ○ Project location or address; ○ Owner and operator of the proposed Construction Activity; ○ Completion of the Project Site Plan/SWPPP Review Checklist; ○ Any stormwater comments and documentation used to approve, amend, or deny the project and project documents. • The use of an inspection checklist, either paper or electronic, is preferred for documentation of inspections. However, any written means used to document site inspections and observations can be used to satisfy the permit requirements. • Dakota County Transportation Department will maintain a record of all construction stormwater complaints per the Dakota County record retentions policy and the MS4 Permit. In the event of complaints, County staff will inspect the project site and follow-up with ERPs outlined in the SWPPP.
<p>Responsible Party for this BMP:</p> <p>Name: Mike Behan Phone: (952) 891-7539</p> <p>Department: Environmental Resources Email: michael.behan@co.dakota.mn.us</p>

BMP Summary Sheet

Minimum Control Measure: 5-POST-CONSTRUCTION STORMWATER MANAGEMENT

Unique BMP ID Number: 5A

BMP Title:	Maintain and Update Post-Construction Stormwater Management Sections of Stormwater Ordinance
BMP Description:	<p>Dakota County will ensure compliance with Part 20.1 – 20.23 of the general MS4 permit by updating and maintaining Dakota County Ordinance No. 132, specifically the sections related to post-construction stormwater management for this BMP. In late 2016, Ordinance No. 132 was updated to include requirements for post-construction stormwater management to achieve compliance with the MS4 permit. Construction projects proposed by Dakota County will be reviewed and documented for SWPPP compliance by the Dakota County Environmental Resources Department. Where projects trigger Ordinance 132 requirements (i.e. municipality is not completing plan reviews) the projects will be reviewed and compliance documented by the Right-of-Way Permit Manager and/or Environmental Resources Department staff.</p> <p>Dakota County Ordinance No. 132 clarifies that all projects in the Dakota County MS4 area must meet the requirements of the municipal MS4 to manage the possibility of other projects. In addition, these provisions will require that the following conditions will be met on County projects if reviews are not completed by the municipal MS4:</p> <ul style="list-style-type: none">• Conditions for post-construction stormwater management, including limitations on stormwater discharge volume, discharge total suspended solids (TSS), and discharge total phosphorus (TP);• Stormwater management limitations and restrictions including those conditions which would prevent the infiltration of stormwater as a stormwater management mechanism;• Exceptions for meeting the stormwater discharge volume requirements;• Provisions for mitigation projects to be done in place of stormwater management related to the construction activity;• Conditions for long-term maintenance of any structural stormwater BMPs. <p>In addition, considerations for post-construction stormwater management will be reviewed as part of the site plan review process of BMP 4b.</p>
Target Audiences:	<ul style="list-style-type: none">• County Government Staff• LGU Stormwater Professionals• Contractors• Developers
Location(s) in SWPPP of detailed information relating to this BMP:	<ul style="list-style-type: none">• Refer to Dakota County Ordinance No. 132 (Appendix B) for post-construction stormwater management requirements.
Measurable Goals:	<ul style="list-style-type: none">• There are no measurable goals for this BMP.
Timeline/Implementation Schedule:	<p>Dakota County Ordinance No. 132 was drafted and established in 2012 and meets the general MS4 NPDES permit requirements for a regulatory mechanism. Updates to the ordinance were approved in 2016 to ensure that the ordinance meets requirements for construction stormwater runoff control outlined in the 2013 version of the permit. Since Ordinance 132 incorporates (by reference) the current NPDES Construction GP and the MS4 General Permit, the County believes the regulatory</p>

mechanisms provided via County Ordinance 132 are compliant with the reissued 2020 MS4 General Permit.

Specific Components and Notes:

- None.

Responsible Party for this BMP:

Name: Mike Behan

Phone: (952) 891-7539

Department: Environmental Resources

Email: michael.behan@co.dakota.mn.us

BMP Summary Sheet

Minimum Control Measure: 5-POST-CONSTRUCTION STORMWATER
MANAGEMENT

Unique BMP ID Number: 5B

BMP Title: Post-Construction Stormwater Management Program and Project Database
BMP Description: All plan review efforts and site inspections must be documented and retained in accordance with Part 19.6 – 19.16 of the general MS4 permit. For the purposes of meeting this portion of the permit, the site plan reviews and comments and the site inspections completed by the Environmental Resources department will serve as the MS4 regulatory inspections and will therefore be documented and maintained accordingly.
Target Audiences: <ul style="list-style-type: none">• County Government Staff• LGU Stormwater Professionals
Location(s) in SWPPP of detailed information relating to this BMP: <ul style="list-style-type: none">• The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.
Measurable Goals: <ul style="list-style-type: none">• Frequency of inspections,
Timeline/Implementation Schedule:
Specific Components and Notes: Documentation of a site plan review shall include a completed review checklist and a review folder containing official correspondence relating to the review.
Responsible Party for this BMP: Name: Mike Behan Phone: (952) 891-7539 Department: Environmental Resources Email: michael.behan@co.dakota.mn.us

BMP Summary Sheet

Minimum Control Measure: 6-POLLUTION PREVENTION AND GOOD HOUSEKEEPING

Unique BMP ID Number: 6A

BMP Title: Municipal Operations and Maintenance Program with Facility Inventory
BMP Description: Part 21.3 of the general MS4 permit requires permittees to develop a facility inventory and list BMPs for the facilities. For Dakota County, the facilities include the transportation system right-of-way, and the related BMPs include all maintenance activities.
Target Audiences: <ul style="list-style-type: none">• County Government Staff• LGU Maintenance Staff
Location(s) in SWPPP of detailed information relating to this BMP: <ul style="list-style-type: none">• The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP.
Measurable Goals: <ul style="list-style-type: none">• Increase attendance at specialty training sessions to 75% of maintenance staff for Transportation and Parks/Facilities staff.
Timeline/Implementation Schedule: BMPs include existing maintenance activities that will continue to be implemented through the end of the permit term. Any facility BMPs not already implemented will be put into place to ensure the measurable goal is met by the last year of the current permit term, 2018.
Specific Components and Notes: Facility Inventory <ul style="list-style-type: none">• Dakota County Highway Right-of-Way: the network of County roadways within the right-of-way is considered one "facility" for the purpose of the SWPPP.• Big Rivers Regional Trailhead: along County Road 45 Dakota County manages a parking lot and an outlet that are located in the right-of-way• Within LHRP in Eagan, the County maintains the following facilities that contribute drainage to the lakes of LHRP, which falls under the County MS4 area per an agreement with the city:<ul style="list-style-type: none">○ The LHRP maintenance building, the primary parks maintenance building with some material storage located on the west side of O'Brien Lake. Small volumes of sand and salt are intermittently held at the facility, with the salt located under cover.○ The LHRP Visitor Center and parking lots, or the main visitor center and parking area in LHRP located between McDonough Lake and the Schulze Lake swimming beach.○ Jensen Lake Trailhead, a parking area and small parks services building for LHRP visitors located on the north side of Jensen Lake and just east of Pilot Knob Road.○ West Trailhead, a parking area and small parks services building for visitors accessing the mountain bike area in the western portion of LHRP located on the west side of Johnny Cake Ridge Road.

Facility BMPs

Dakota County Intensive Street Sweeping Plan

- Street Sweeping: The County highway and parks maintenance departments perform street sweeping at regular intervals to ensure roadway safety and to remove debris and pollutants at specific times of the year. County practices include the following events for street sweeping:
 - All paved County roads and highways in the MS4 area are swept in the spring following snowmelt during the period of late March through late April.
 - Select County roads for which the County has a waste load allocation (WLA) for target pollutants in nearby impaired water bodies and areas that cause a roadway safety or water quality concern due to a buildup of pollutants are swept an additional time during mid-summer (mid-July to mid-August). The list can be altered based on resident reports or observed issues, but shall include at a minimum:
 - Crystal/Keller/Lee Lakes and Alimagnet Lake Target Area in Apple Valley, Burnsville, and Lakeville: Contributing drainage to these water bodies for which a TMDL exists or is proposed, including the following roads:
 - Includes County Road (CR) 46 from Harwell Ave. west to CR 5 (Kenwood Tr.)
 - CR 42 from CR 23 (Cedar Ave.) west to Plymouth Ave.
 - CR 11 from CR 42 north to I-35E northbound onramp
 - CR 38 (McAndrews Road) from Minnesota Highway 77 southbound onramp west to Portland Ave. S
 - Long and Farquar Lakes Target Area in Apple Valley and Rosemount: Contributing drainage to these water bodies for which a TMDL exists (although no WLA for the County), including the following roads:
 - CR 31 (Pilot Knob Rd.) from CR 42 north to 1400' north of CR 38 (McAndrews Rd.)
 - CR 38 (McAndrews Rd.) from immediately east of CR 31 (Pilot Knob Road) west to Johnny Cake Ridge Road.
 - CR 33 (Diamond Path) from Connemara Trail north to CR 31 (Pilot Knob Road)
 - Thomas Lake and Jensen Lake/Lebanon Hills Protection in Eagan: Contributing drainage area for protection of lakes in Lebanon Hills Regional Park and City of Eagan Thomas Lake Park, including the following roads:
 - CR 31 (Pilot Knob Rd.) from 1400' north of CR 38 (McAndrews Rd.) north to Wilderness Run Rd.
 - CR 32 (Cliff Rd.) from 1000' east of CR 43 (Lexington Ave.) west to Johnny Cake Ridge Road
 - Carlson Lake and Lemay Lake Target Area in Eagan: Contributing drainage area for these water bodies with a proposed TMDL for which the County will have a WLA, including the following roads:
 - CR 26 (Lone Oak Rd.) from Neil Armstrong Blvd. west to CR 31 (Pilot Knob Rd.) for Lemay Lake
 - CR 43 (Lexington Ave.) from Northwood Parkway north to Kenneth St. for Lemay Lake
 - CR 31 (Pilot Knob Rd.) from Wilderness Run Rd. north to CR 30 (Diffley Rd.) for Carlson Lake
 - CR 30 (Diffley Rod.) from 1000' east of Amberleaf Trail west to CR 31

(Pilot Knob Rd.) for Carlson Lake

- Thompson Lake Target Area in West St. Paul: Contributing drainage area for this water body with a TMDL for which the County has a WLA, including the following roads:
 - CR 4 (Butler Ave.) from Waterloo Ave. west to Humboldt Ave. S
 - CR 73 (Oakdale Ave.) from Stassen Dr. north to CR 4 (Butler Ave.)
- Urban sections of County roads in the MS4 area that are adjacent to gravel pit operations are to be swept periodically between the spring and fall sweeping events based on visual inspections by County maintenance staff. These areas include:
 - CR 42 Gravel Pit Area in Apple Valley, which consists of CR 42 from Embry Path west to CR 23 (Cedar Ave.)
 - CR 46 Gravel Pit Area in Apple Valley/Lakeville/Rosemount/Empire Township, which consists of CR 46 from the Empire Maintenance Facility Entrance west to CR 31 (Pilot Knob Rd.)
- Urban sections of County roads in the MS4 area are to be swept in the fall period from approximately mid-October to mid-November. County roads can be left off the fall sweeping plan if tree cover is minimal and no leaf litter is observed in the gutter.

Responsible Party for this BMP:

Name: Todd Howard

Phone: (952) 891-7926

Department: Transportation

Email: todd.howard@co.dakota.mn.us

BMP Summary Sheet

Minimum Control Measure: 6-POLLUTION PREVENTION AND GOOD HOUSEKEEPING

Unique BMP ID Number: 6D

BMP Title:	Provide Good Housekeeping/Pollution Prevention Training				
BMP Description:	All inspections and employee training must be documented and retained in accordance with Part 21.13 of the general MS4 permit. For the purposes of meeting this portion of the permit, the site plan reviews and comments and the site inspections completed by the Environmental Resources department will serve as the MS4 regulatory inspections and will therefore be documented and maintained accordingly. A separate staff Training tracking spreadsheet and database detailing records of attendance, dates, topics will also be maintained.				
Target Audiences:	<ul style="list-style-type: none"> <li style="display: inline-block; width: 45%;">• County Government Staff <li style="display: inline-block; width: 45%;">• LGU Maintenance Staff 				
Location(s) in SWPPP of detailed information relating to this BMP:	<ul style="list-style-type: none"> • The information included or referenced on this Summary Sheet is intended to meet all SWPPP requirements for this BMP. 				
Measurable Goals:	<ul style="list-style-type: none"> • Increase attendance at specialty training sessions to 75% of maintenance staff for Transportation and Parks/Facilities staff. • Include 95% of maintenance employees in general SWPPP training course (paired with illicit discharge training) 				
Timeline/Implementation Schedule:	Dakota County completes general housekeeping and SWPPP training annually commensurate with job duties. All field staff also receive information and training on Illicit Discharge Detection and Elimination.				
Specific Components and Notes:	<p>Dakota County has developed the following training plan to meet MS4 requirements. Training described below also covers BMPs related to employee training for MCMs 3 (illicit discharge training) and 4 (construction stormwater management training).</p> <p>General Stormwater Management and Pollution Prevention</p> <p>Pollution prevention and good housekeeping efforts involve essentially all maintenance and operations staff, from grounds crews to road maintenance crews. Specific job duties may require more focused training related to stormwater, but all crews and duties will be required to attend a general stormwater management training to be briefed on the content of the MS4 permit. This training will include aspects of illicit discharge detection and elimination.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 20%;">Frequency:</td> <td>Training held twice annually and require attendance annually</td> </tr> <tr> <td>Timing:</td> <td>Fall (near the end of construction season and timed with winter maintenance courses) Spring (near May for seasonal employees and timed with summer task-specific maintenance courses)</td> </tr> </table>	Frequency:	Training held twice annually and require attendance annually	Timing:	Fall (near the end of construction season and timed with winter maintenance courses) Spring (near May for seasonal employees and timed with summer task-specific maintenance courses)
Frequency:	Training held twice annually and require attendance annually				
Timing:	Fall (near the end of construction season and timed with winter maintenance courses) Spring (near May for seasonal employees and timed with summer task-specific maintenance courses)				

Audience:	<ul style="list-style-type: none"> • Road maintenance crews • Road project managers • Survey and construction crews • Parks/Facilities maintenance and grounds staff • Community development project staff
Length:	30-60 minutes
Producer:	Internal County (Environmental Resources)

Summer Turf-grass and Road Maintenance

Focused training on turf-grass maintenance in line with the previously utilized Fortin consulting training. At the same time, the training should cover elements of road maintenance with a main focus on street sweeping and sharing the transportation sweeping program and schedule. If organized by Dakota County, training will likely be made available to maintenance professionals from LGUs within the County as well.

Frequency:	Training held once annually or bi-annually
Timing:	Spring (to catch seasonal employees)
Audience:	<ul style="list-style-type: none"> • Road maintenance crews and street sweeping crews • Parks/Facilities maintenance and grounds staff • Community development grounds staff • Contract workers for grounds maintenance
Length:	TBD (Fortin's class is about a 5-6 hour session)
Producer:	Re-hire Fortin Consulting or develop internally

Winter Parking Lot and Road Maintenance

Focused training on either parking lot maintenance or winter road maintenance in line with the previously utilized Fortin consulting training. If organized by Dakota County, training will likely be made available to maintenance professionals from LGUs within the County as well.

Frequency:	Training held once annually or bi-annually – could alternate sessions
Timing:	Fall (to catch seasonal employees)
Audience:	<ul style="list-style-type: none"> • Road maintenance crews and plow/salt crews • Parks/Facilities maintenance and grounds staff • Community development grounds staff
Length:	TBD (Fortin's class is about a 5-6 hour session)
Producer:	Re-hire Fortin Consulting or develop internally

Construction Stormwater Training

Project managers and staff performing on-site construction observation should continue to attend construction stormwater training on the general construction stormwater permit in Minnesota.

Frequency:	Initial training course; refresher every three years
Timing:	As needed
Audience:	<ul style="list-style-type: none"> • Transportation project managers/on-site observers • Parks/Facilities project managers • Community development project managers • Environmental Resources department staff doing compliance

Length:	Varies
Producer:	Utilize University of Minnesota ESC training program
Responsible Party for this BMP:	
Name: Mike Behan	Phone: (952) 891-7539
Department: Environmental Resources	Email: michael.behan@co.dakota.mn.us

Dakota County Stormwater Bacteria Inventory

Location	Notes	
City of Mendota Heights Off-Leash Dog Area	Adjacent Pilot Knob Rd (CR 31)	
City of Burnsville Alimagnet Dog Park	Adjacent CR 11	
Dakota Woods Dog Park	Whitetail Woods Regional Park - Adjacent CR 46	
City of Eagan Thresher Fields Off-Leash Dog Park	Adjacent Yankee Doodle Rd (CR 28)	
City Stormwater Ponds	Potential geese gathering and bacteria loading sources - see City storm sewer maps	

Dakota County Bacteria Reduction Plan (MS4 - SWPPP)

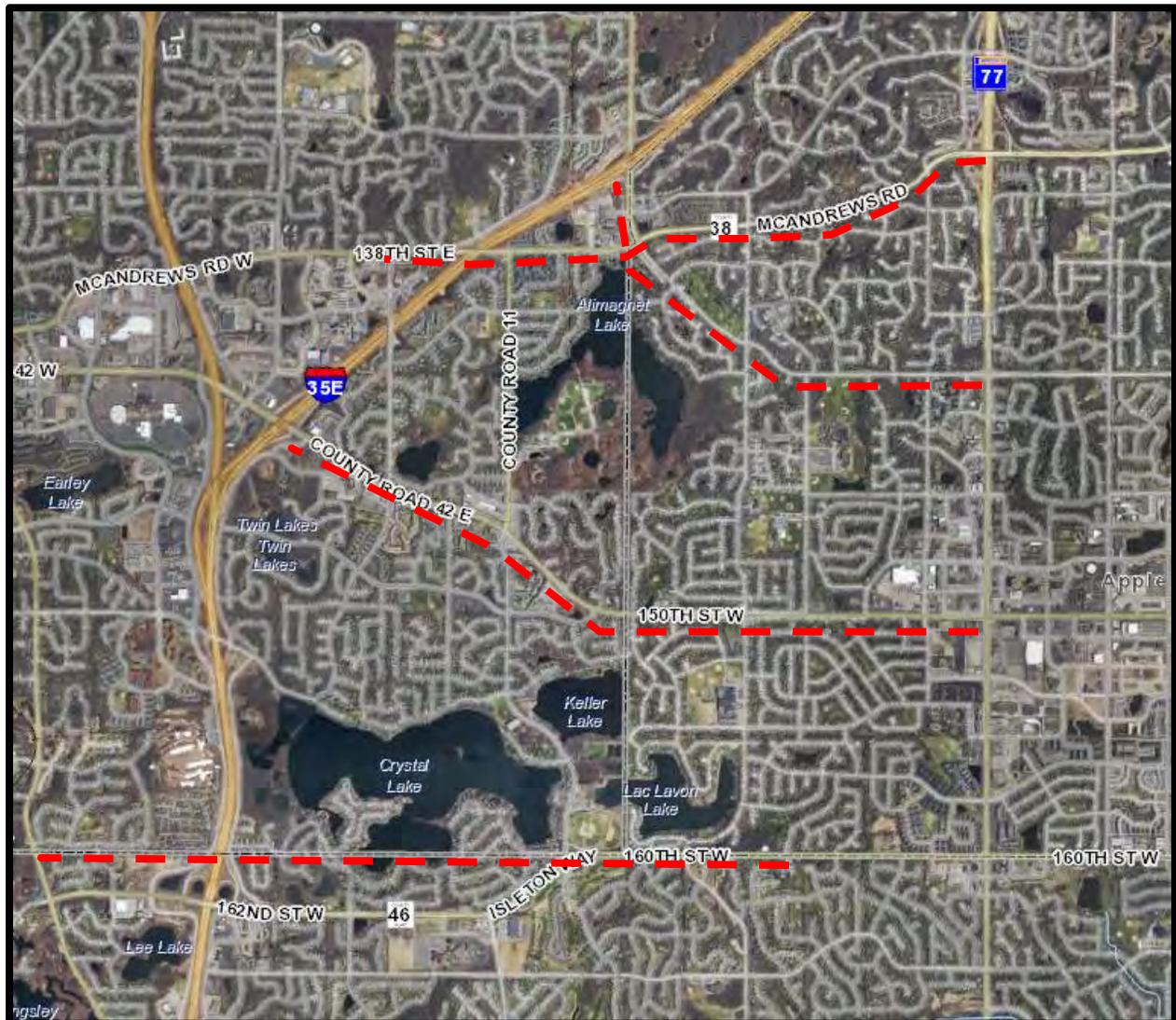
Strategy Number	Description	Timeline/Schedule
1	Dakota County will continue intensive street sweeping per its Stormwater Pollution Prevention Plan to reduce bacteria loading within urbanized areas and to the Vermillion River which is impaired for fecal coliform bacteria in several river reaches.	Annually 2-3x throughout permit period
2	Dakota County will prioritize infiltration BMPs to reduce bacteria loading to impaired waters as a component of its Capital Improvement Program.	Each site review will prioritize infiltration practices for development projects.
3	Dakota County will continue to implement Ordinance 107 Park Use which prohibits improper disposal of pet waste within County Parks and provide signage and pet waste bags and disposal bins where appropriate.	Continued and ongoing enforcement of Ordinance 107 and 132 to limit bacteria loading to and through the Dakota County MS4 through the permit period.

Dakota County Highway Supplemental Street Sweeping Plan

Crystal/Keller/Lee Lakes and Alimagnet Lake Target Area

Contributing drainage to these water bodies for which a TMDL exists or is proposed, including the following roads:

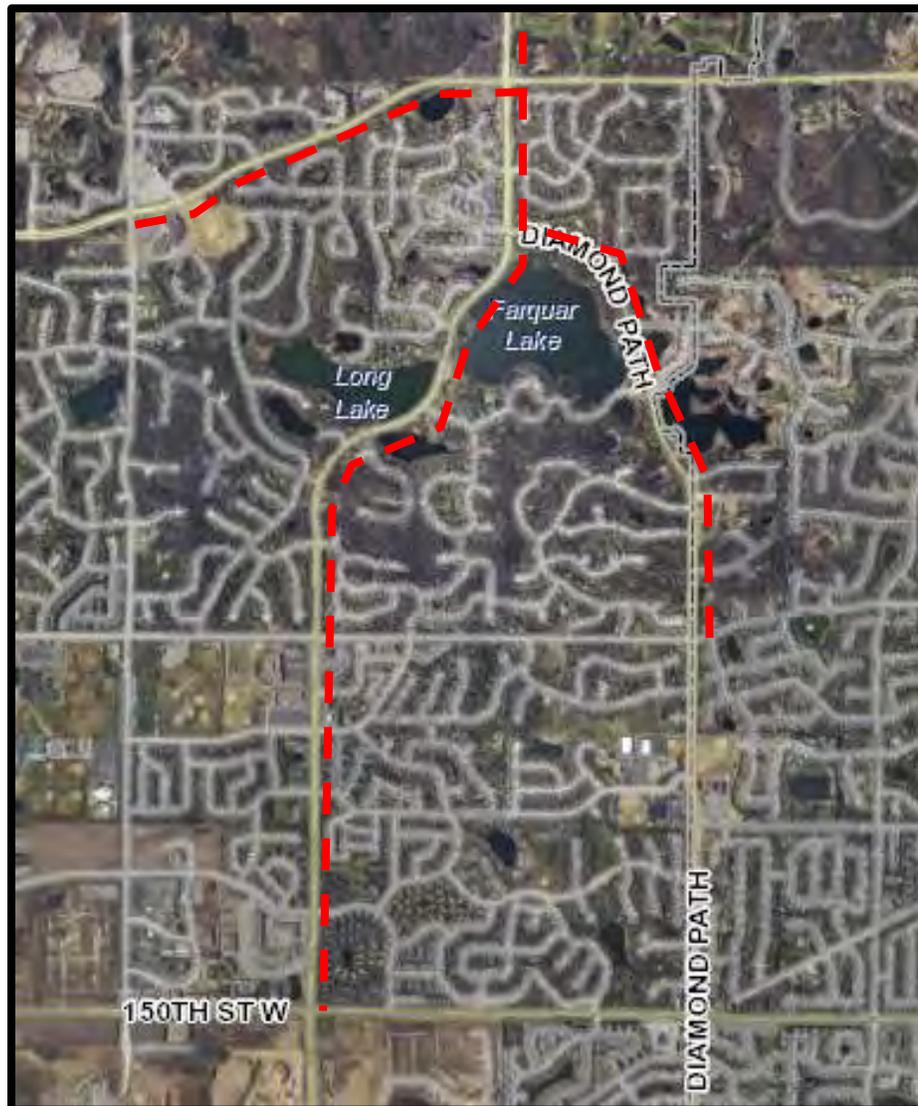
- Includes County Road (CR) 46 from Harwell Ave. west to CR 5 (Kenwood Tr.)
- CR 42 from CR 23 (Cedar Ave.) west to Plymouth Ave.
- CR 11 from CR 42 north to I-35E northbound onramp
- CR 38 (McAndrews Road) from Minnesota Highway 77 southbound onramp west to Portland Ave. S



Long and Farquar Lakes Target Area

Contributing drainage to these water bodies for which a TMDL exists (although no WLA for the County), including the following roads:

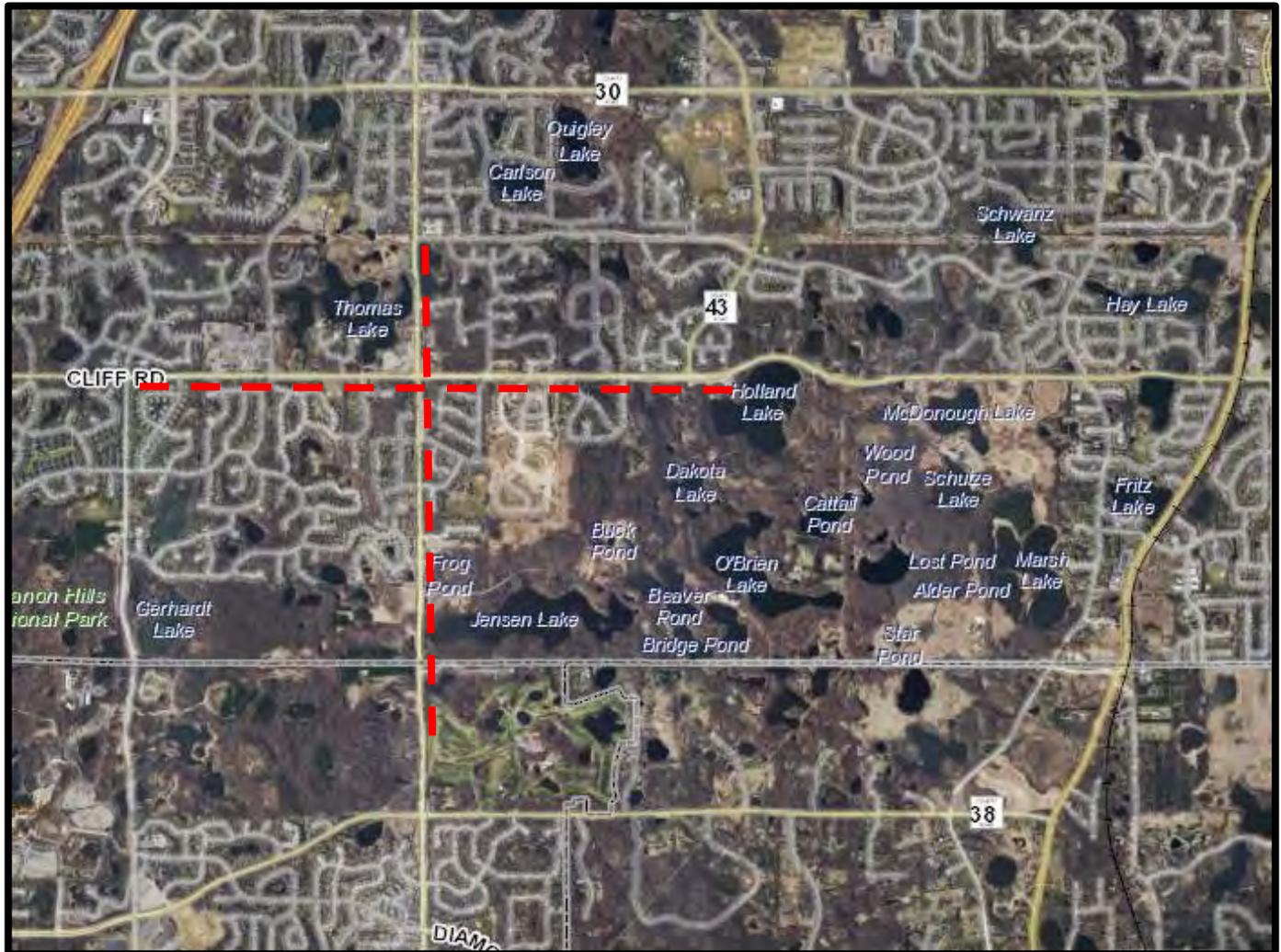
- CR 31 (Pilot Knob Rd.) from CR 42 north to 1400' north of CR 38 (McAndrews Rd.)
- CR 38 (McAndrews Rd.) from immediately east of CR 31 (Pilot Knob Road) west to Johnny Cake Ridge Road.
- CR 33 (Diamond Path) from Connemara Trail north to CR 31 (Pilot Knob Road)



Thomas Lake and Jensen Lake/Lebanon Hills Protection in Eagan

Contributing drainage area for protection of lakes in Lebanon Hills Regional Park and City of Eagan Thomas Lake Park, including the following roads:

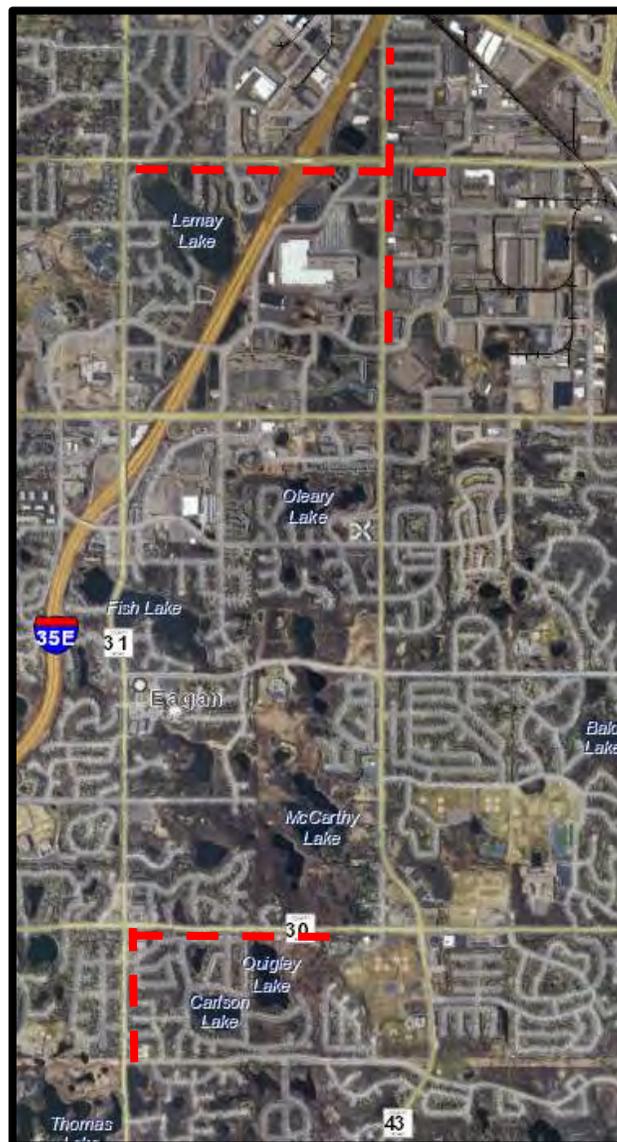
- CR 31 (Pilot Knob Rd.) from 1400' north of CR 38 (McAndrews Rd.) north to Wilderness Run Rd.
- CR 32 (Cliff Rd.) from 1000' east of CR 43 (Lexington Ave.) west to Johnny Cake Ridge Road



Carlson Lake and Lemay Lake Target Area in Eagan

Contributing drainage area for these water bodies with a proposed TMDL for which the County will have a WLA, including the following roads:

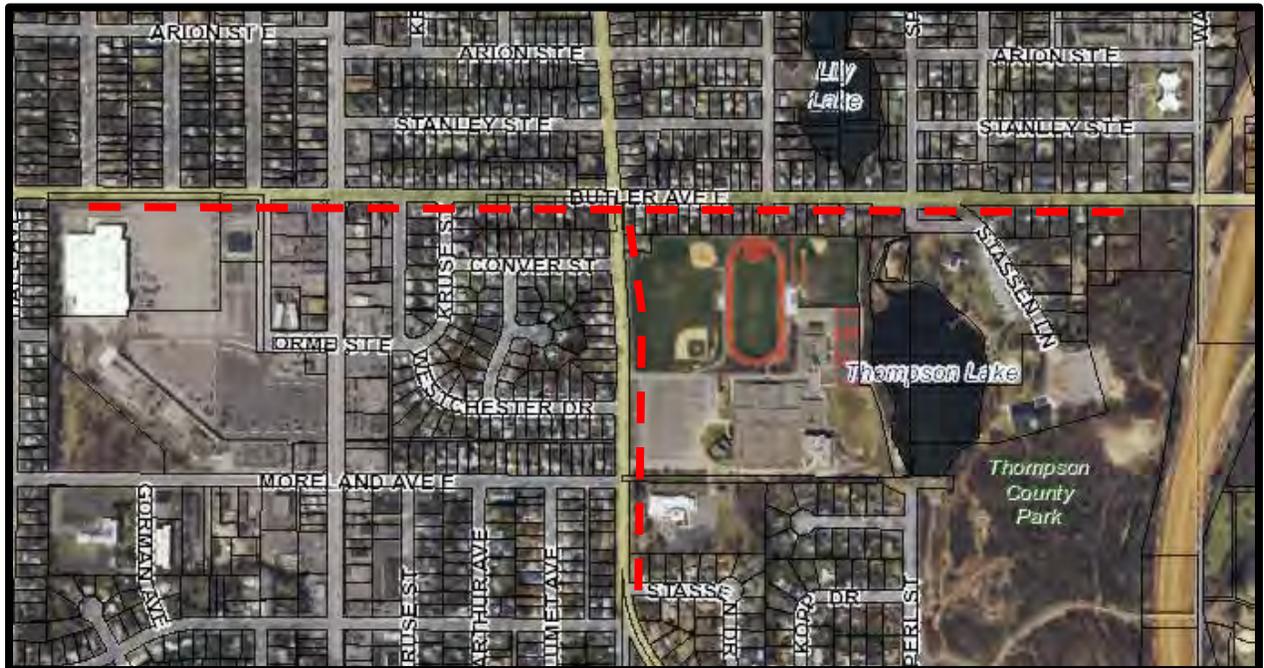
- CR 26 (Lone Oak Rd.) from Neil Armstrong Blvd. west to CR 31 (Pilot Knob Rd.) for Lemay Lake
- CR 43 (Lexington Ave.) from Northwood Parkway north to Kenneth St. for Lemay Lake
- CR 31 (Pilot Knob Rd.) from Wilderness Run Rd. north to CR 30 (Diffley Rd.) for Carlson Lake
- CR 30 (Diffley Rod.) from 1000' east of Amberleaf Trail west to CR 31 (Pilot Knob Rd.) for Carlson Lake



Thompson Lake Target Area in West St. Paul

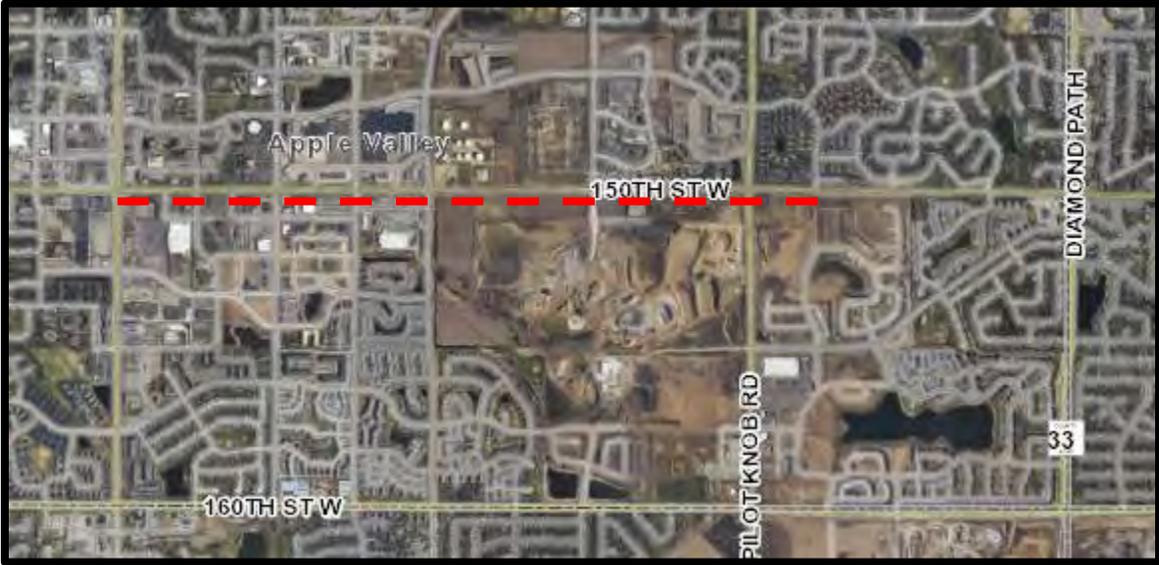
Contributing drainage area for this water body with a TMDL for which the County has a WLA, including the following roads:

- CR 4 (Butler Ave.) from Waterloo Ave. west to Humboldt Ave. S
- CR 73 (Oakdale Ave.) from Stassen Dr. north to CR 4 (Butler Ave.)



CR 42 Gravel Pit Area

- Embury Path west to CR 23 (Cedar Ave.)



CR 46 Gravel Pit Area

- Empire Maintenance Facility Entrance west to CR 31 (Pilot Knob Rd.)

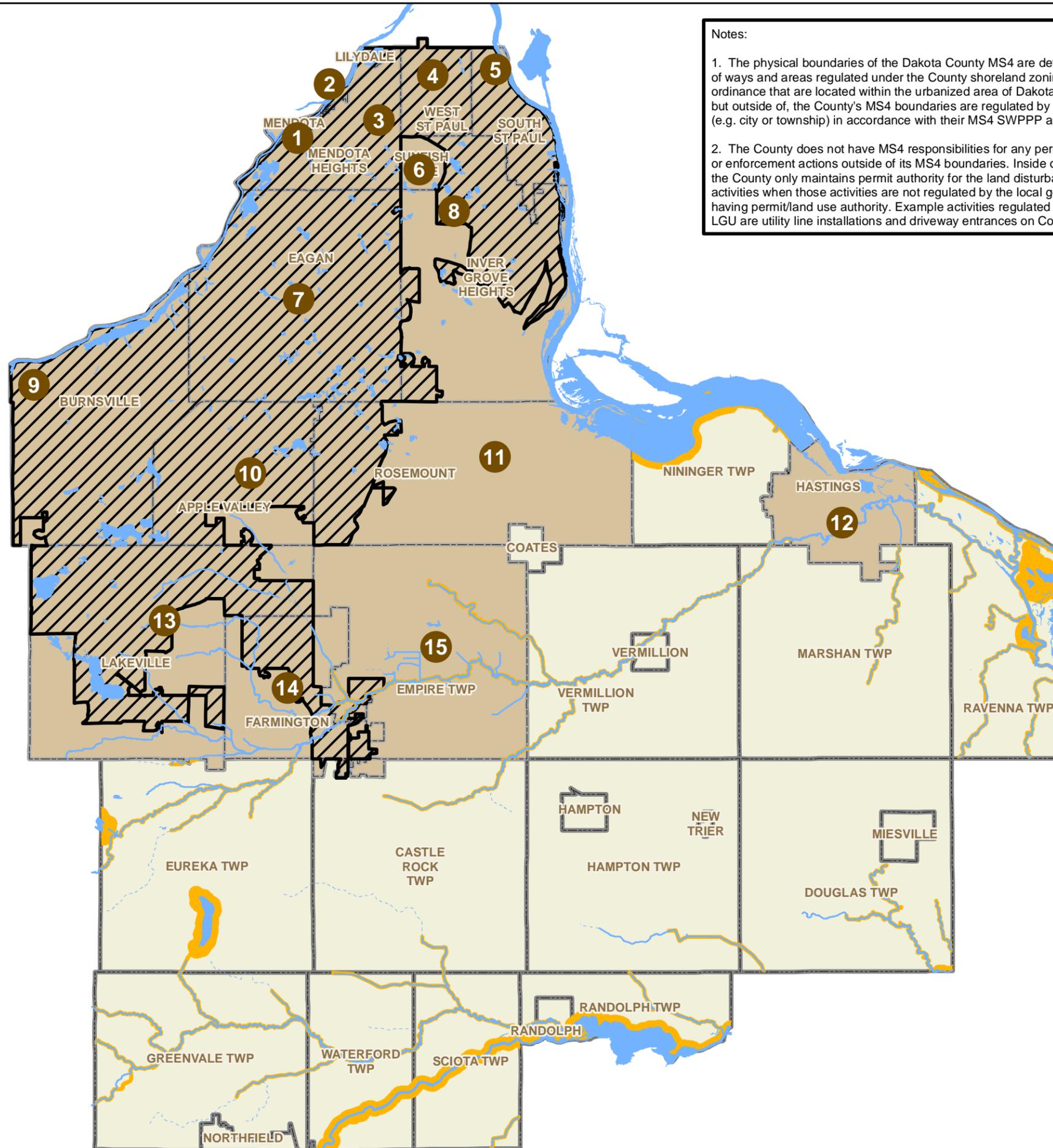


Dakota County MS4 Storm Sewer System

Index Map

Notes:

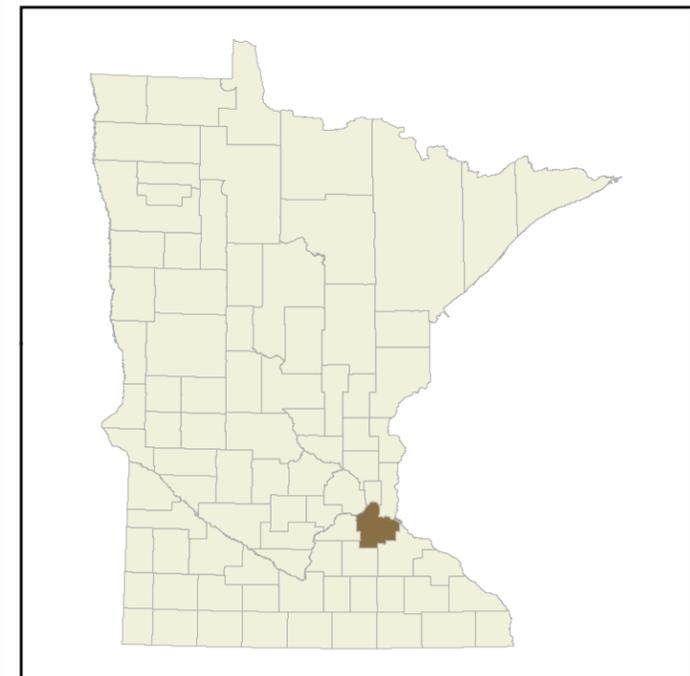
1. The physical boundaries of the Dakota County MS4 are defined by the County road right of ways and areas regulated under the County shoreland zoning and floodplain management ordinance that are located within the urbanized area of Dakota County. All areas adjacent to, but outside of, the County's MS4 boundaries are regulated by the local governmental unit (e.g. city or township) in accordance with their MS4 SWPPP and land use authority.
2. The County does not have MS4 responsibilities for any permitting, plan review, inspection or enforcement actions outside of its MS4 boundaries. Inside of the County MS4 boundaries, the County only maintains permit authority for the land disturbances and shoreline alteration activities when those activities are not regulated by the local governmental unit (LGU) having permit/land use authority. Example activities regulated by the County but not by the LGU are utility line installations and driveway entrances on County roads.



-  Shoreland Overlay District
-  County Municipal Separate Storm Sewer System (MS4)
-  City Municipal Separate Storm Sewer System (MS4)



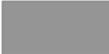
Prepared by the Office of GIS
Map Date: 6/6/2017



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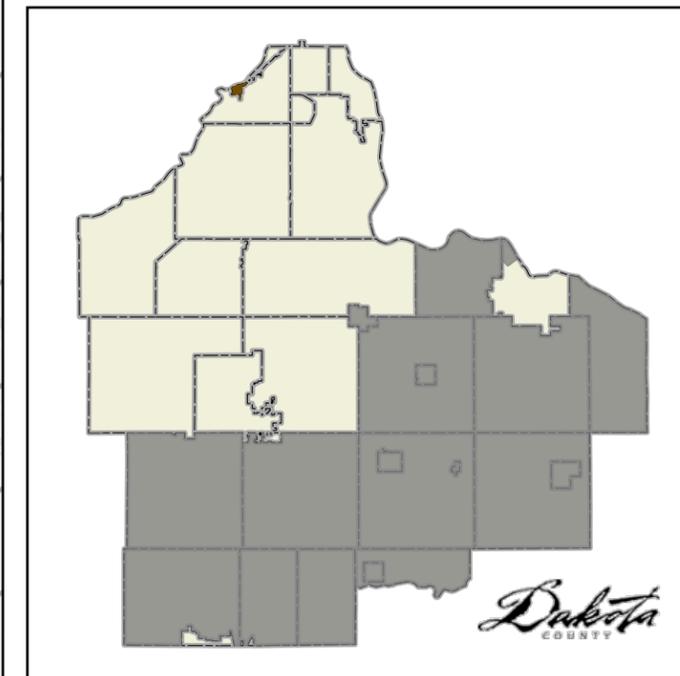


City of Mendota

-  County Municipal Separate Storm Sewer System (MS4)
-  Not within the County or City MS4
-  County Right-of-Way within the County MS4



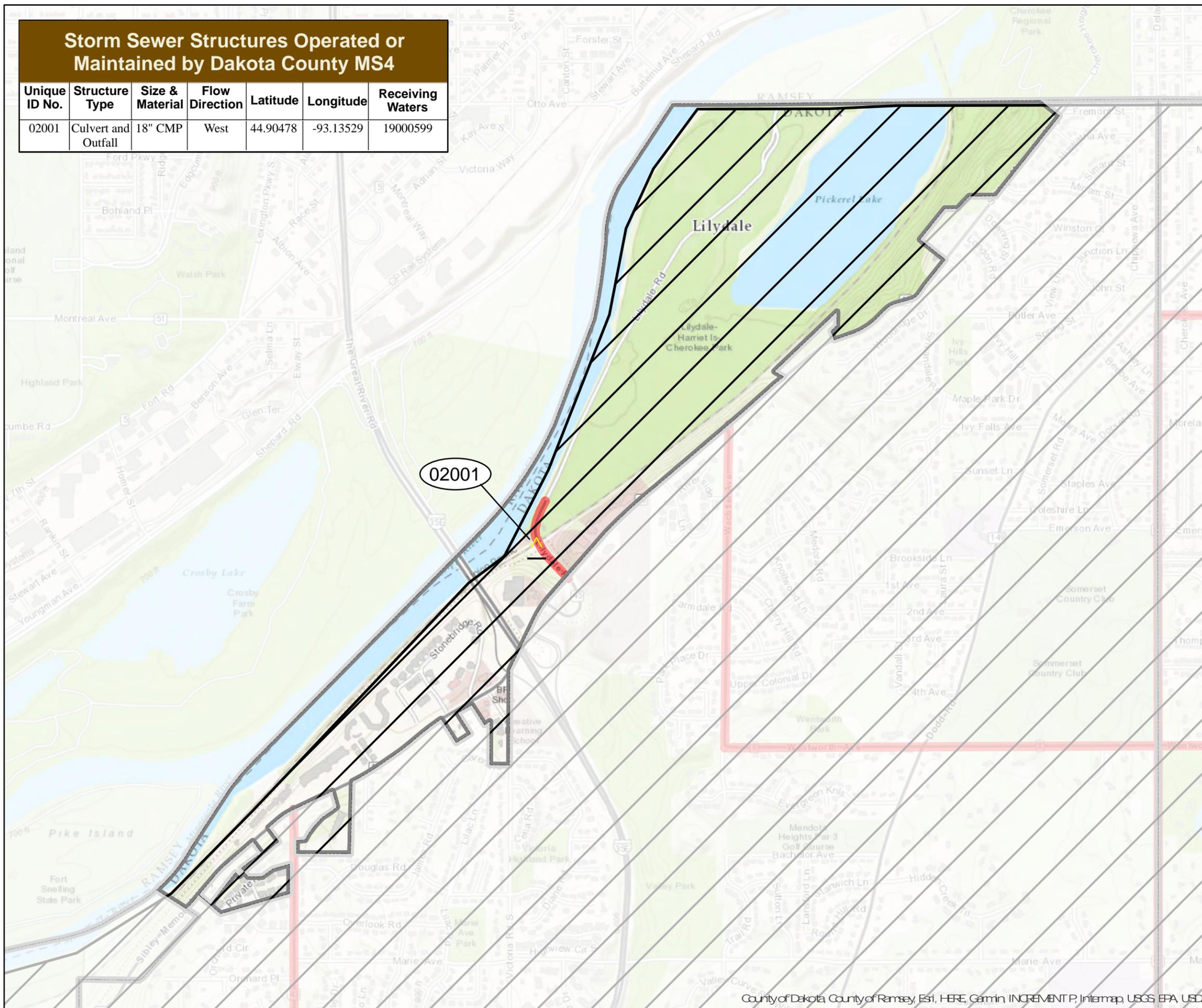
Prepared by the Office of GIS
Map Date: 6/6/2017



Storm Sewer Structures Operated or Maintained by Dakota County MS4

Unique ID No.	Structure Type	Size & Material	Flow Direction	Latitude	Longitude	Receiving Waters
02001	Culvert and Outfall	18" CMP	West	44.90478	-93.13529	19000599

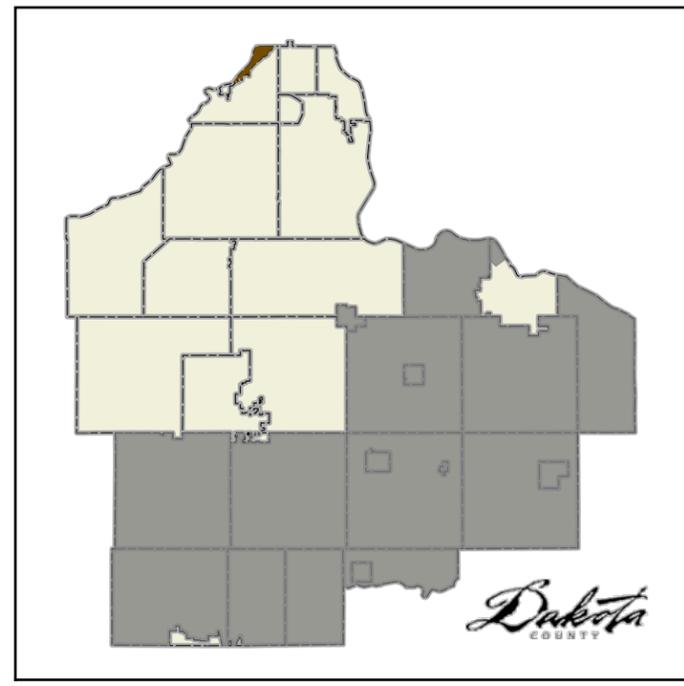
City of Lilydale



-  Outfall
-  County Municipal Separate Storm Sewer System (MS4)
-  Not within the County or City MS4
-  County Right-of-Way within the County MS4

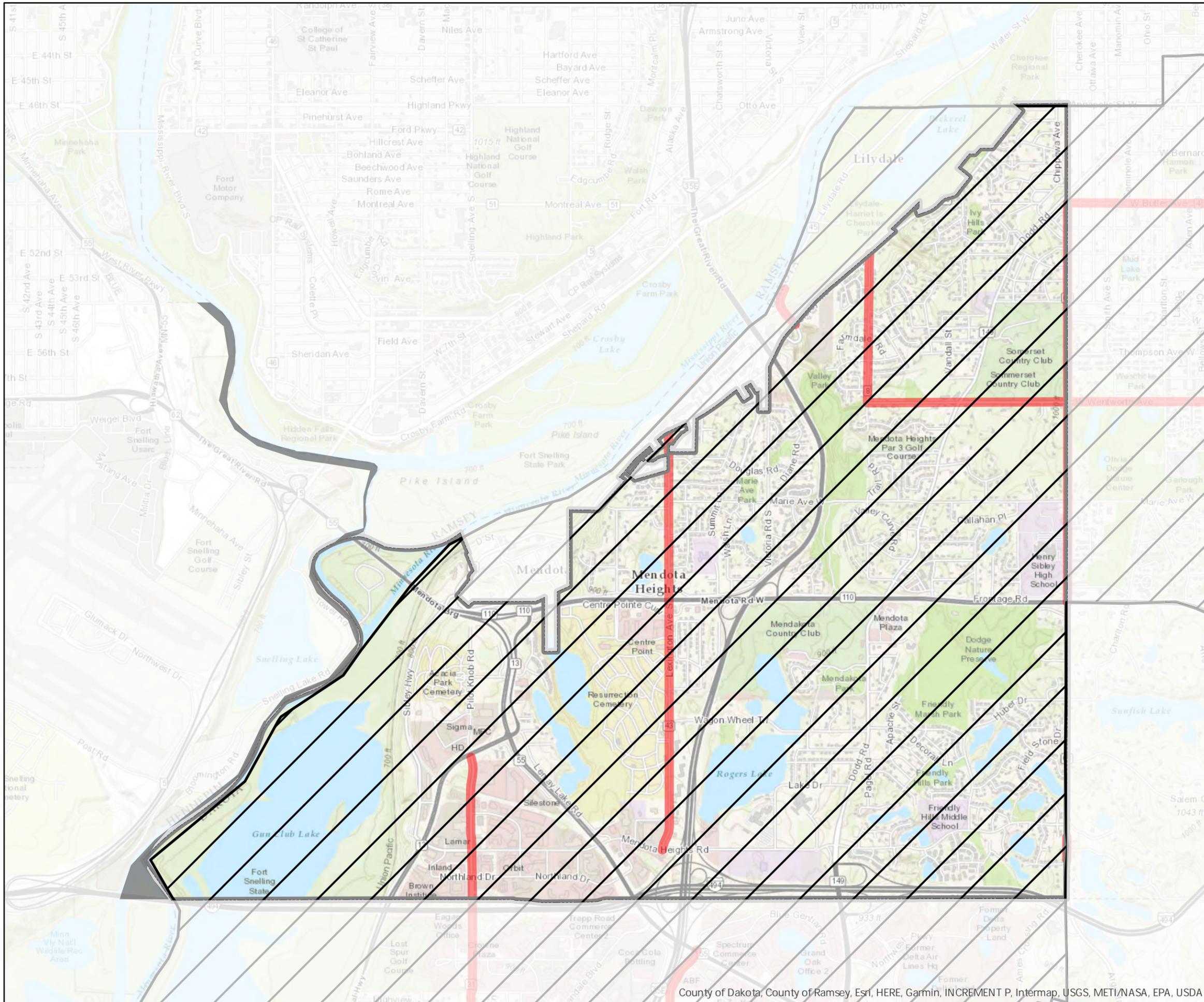


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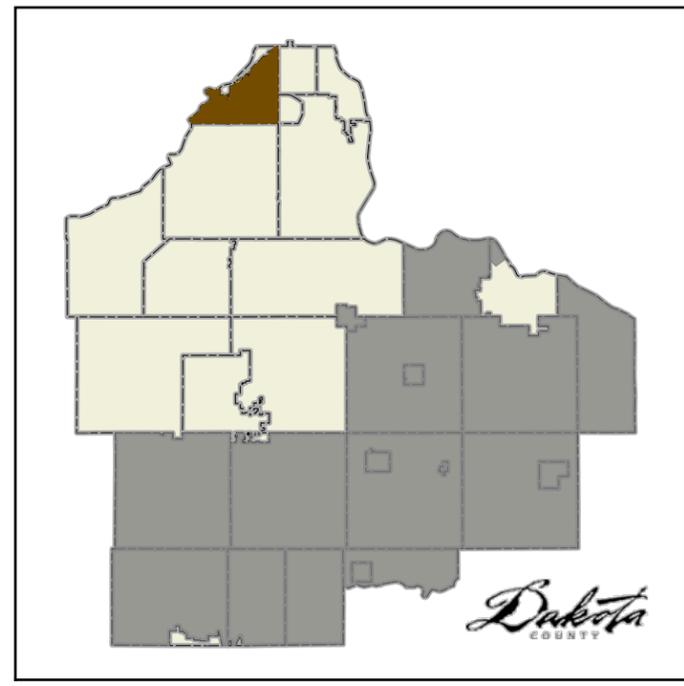
City of Mendota Heights



-  County Municipal Separate Storm Sewer System (MS4)
-  Not within the County or City MS4
-  County Right-of-Way within the County MS4

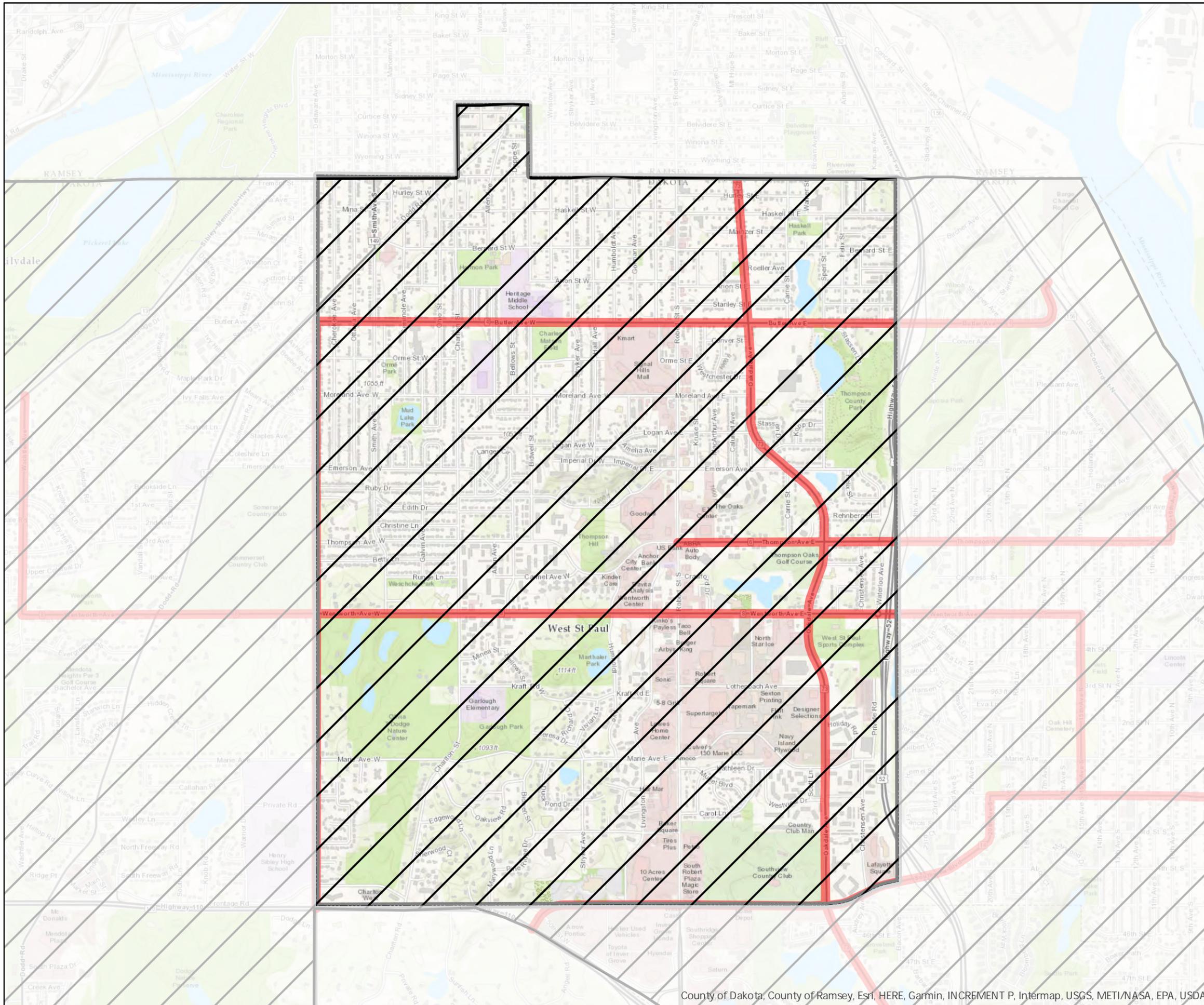


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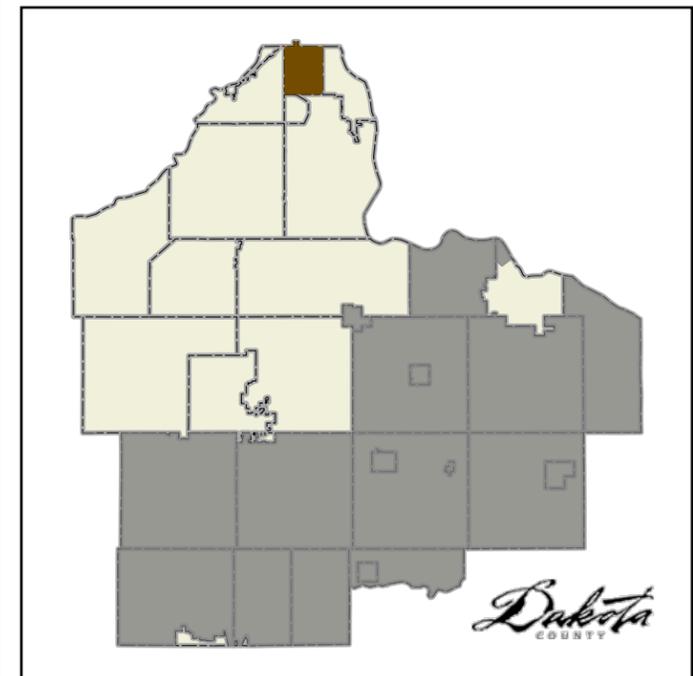
City of West St Paul



-  County Municipal Separate Storm Sewer System (MS4)
-  Not within the County or City MS4
-  County Right-of-Way within the County MS4

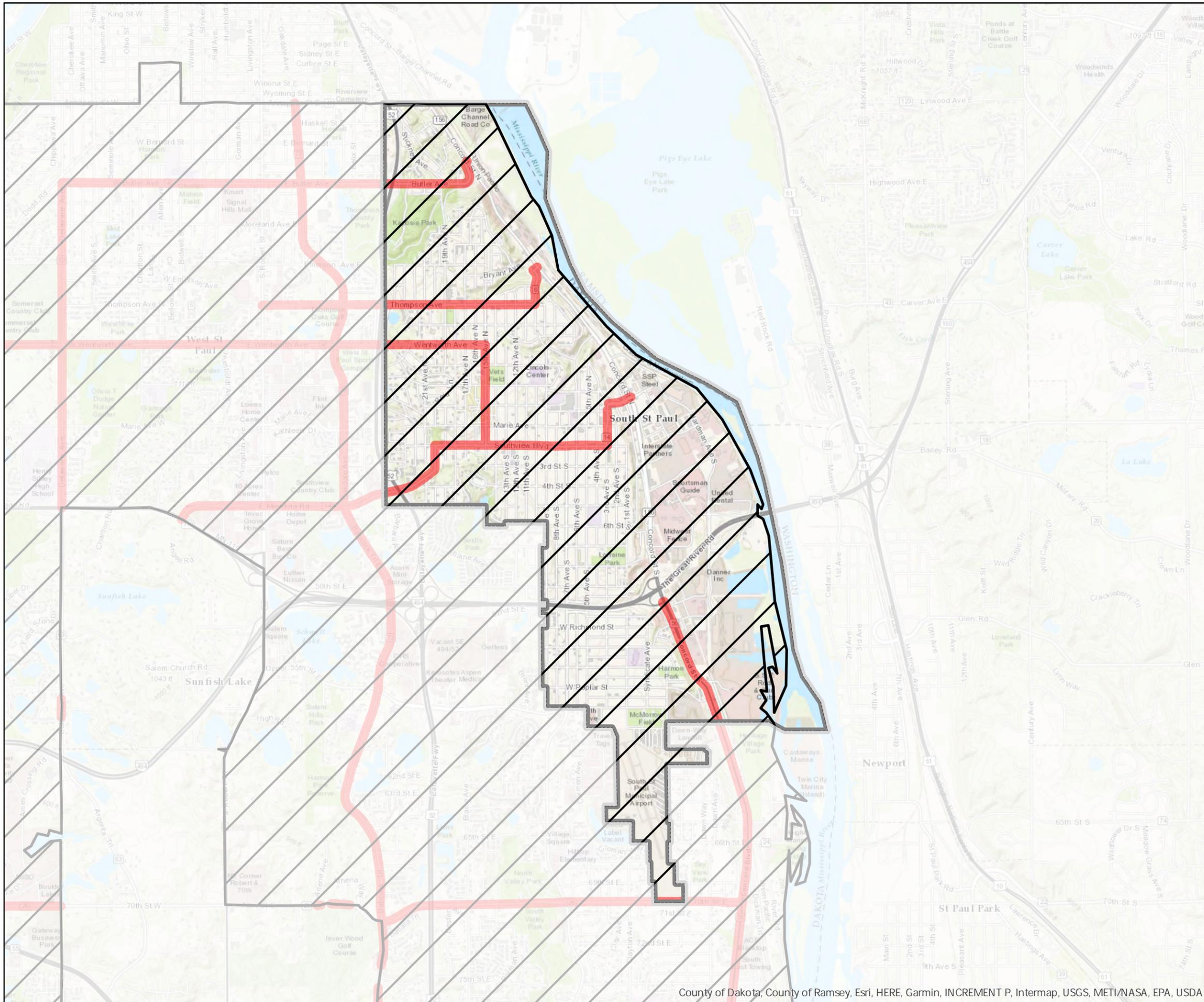


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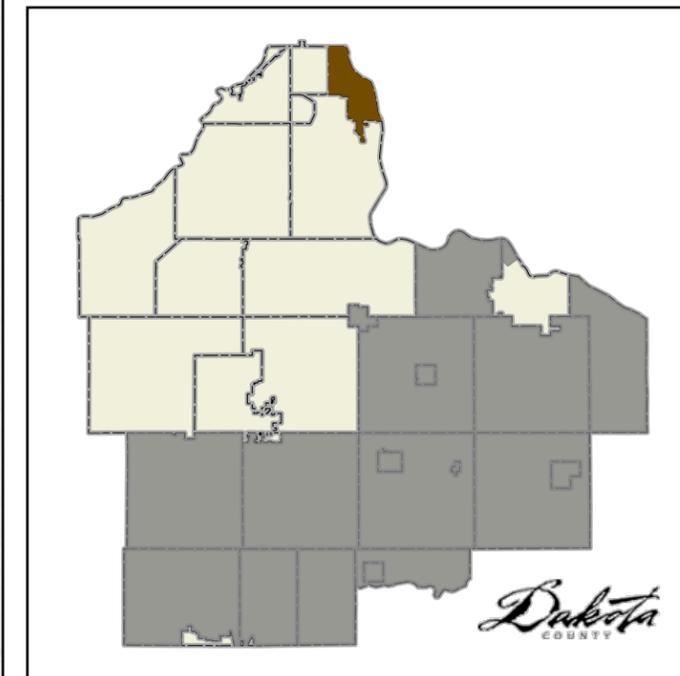
City of South St Paul



-  County Municipal Separate Storm Sewer System (MS4)
-  Not within the County or City MS4
-  County Right-of-Way within the County MS4

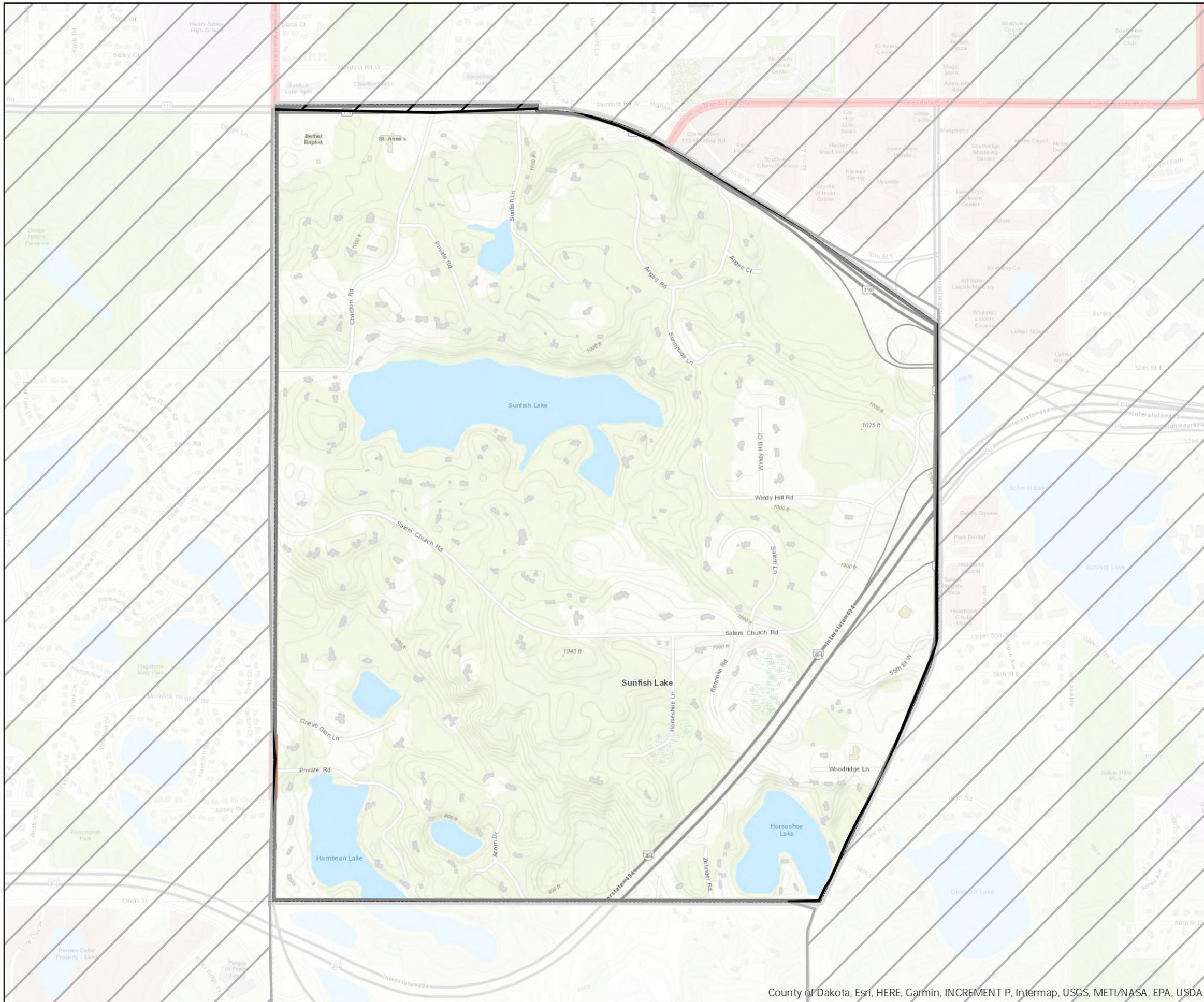


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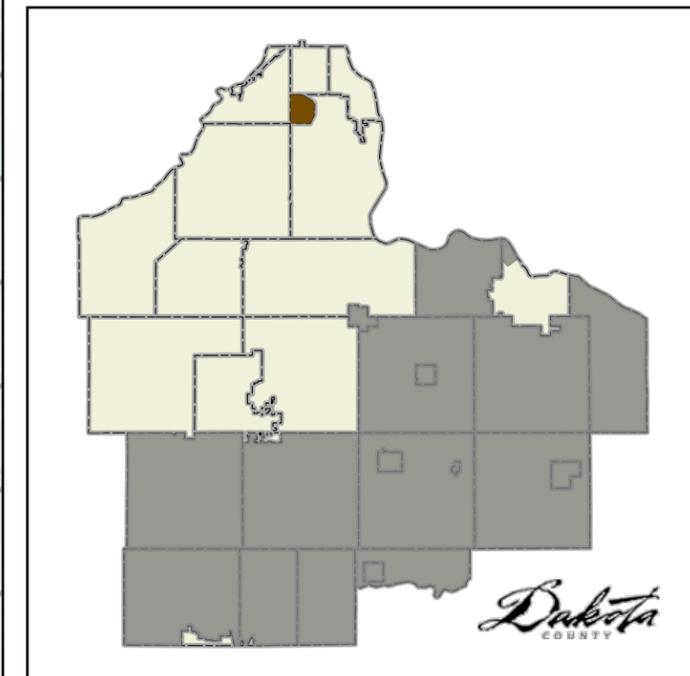
City of Sunfish Lake



-  County Municipal Separate Storm Sewer System (MS4)
-  Not within the County or City MS4
-  County Right-of-Way within the County MS4



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Map Date: 6/6/2017



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Storm Sewer Structures Operated or Maintained by Dakota County MS4

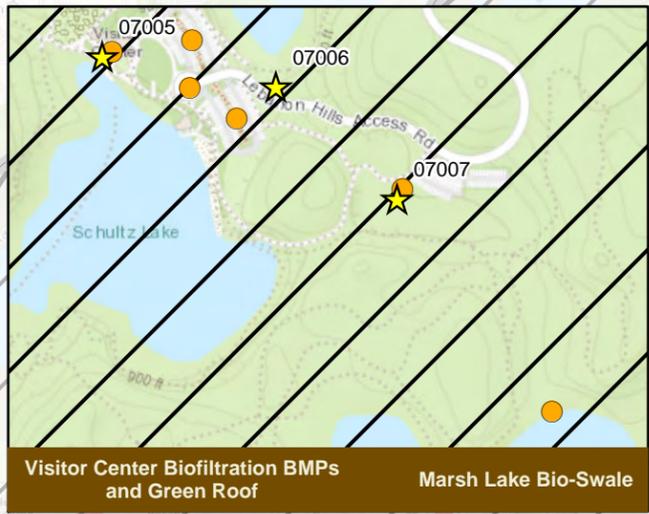
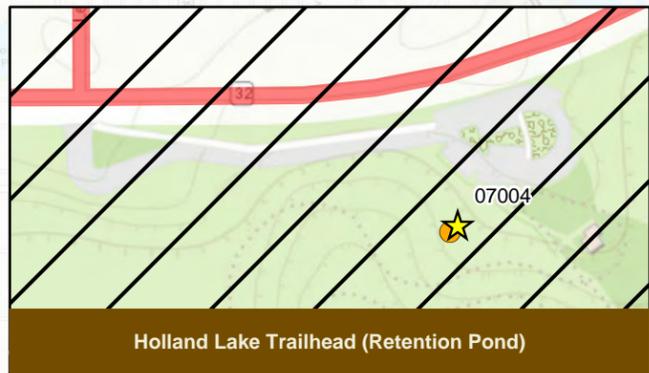
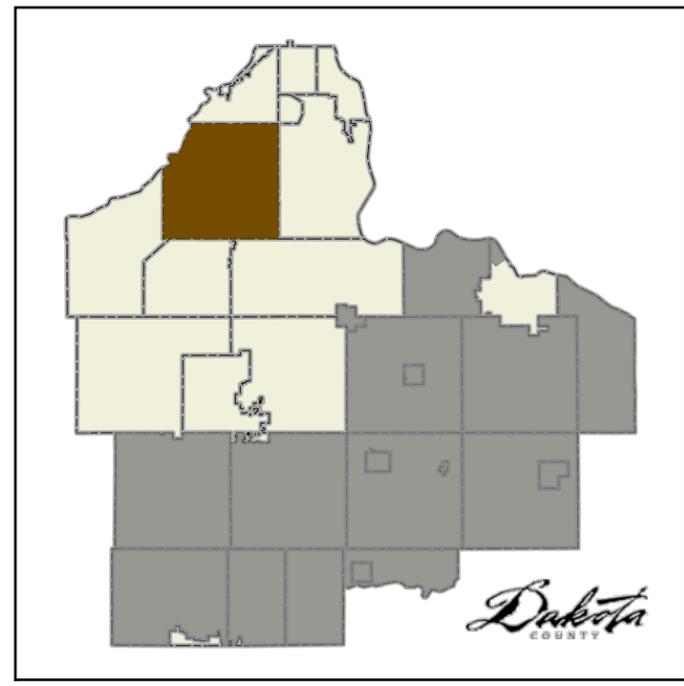
Unique ID No.	Structure Type	Size & Material	Flow Direction	Latitude	Longitude	Receiving Waters
07001	Outfall	15" RCP	North	44.77933	-93.16484	no number
07002	Outfall	15" RCP	SE	44.77881	-93.16479	19007100
07003	Outfall	15" RCP	SE	44.77861	-93.16343	19007100
07004	Outfall	12" RCP	S	44.78955	-93.14524	19006500
07005	Outfall	12" PVC	West	44.78628	-93.12913	19007500
07006	Outfall	18" RCP	North	44.78597	-93.12670	19007600
07007	Outfall	15" RCP	South	44.78486	-93.12501	19030800

City of Eagan

-  Outfall
-  Structural BMP
-  County Municipal Separate Storm Sewer System (MS4)
-  Not within the County or City MS4
-  County Right-of-Way within the County MS4



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Map Date: 11/28/2017

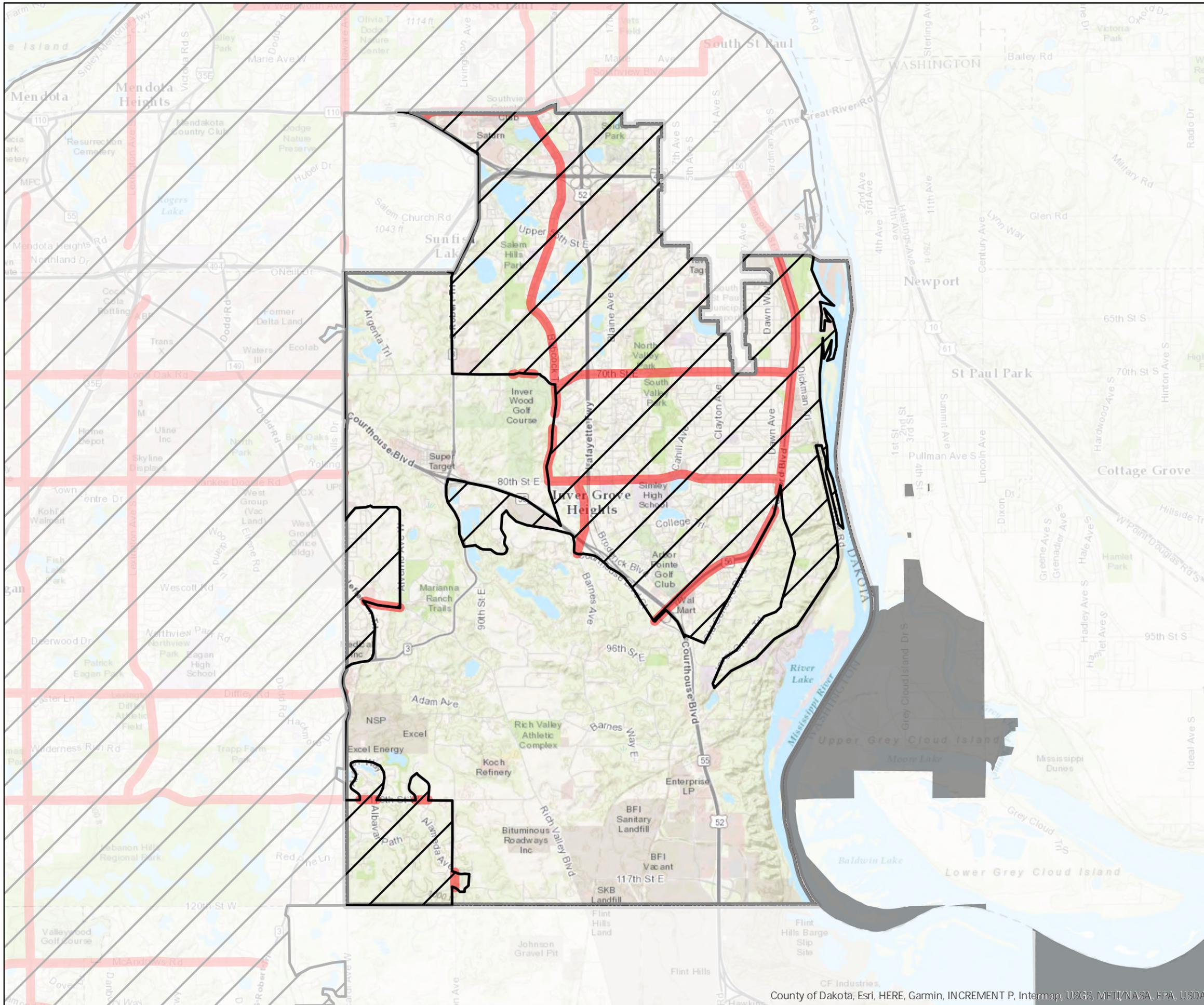


Note:
Responsibilities for maintenance of BMPs and stormwater features located in Lebanon Hills Regional Park are shared between the City of Eagan and Dakota County per the Ponding, Drainage, and Utility Easement attached to the Joint Powers Agreement established between the City of Eagan, Dakota County, the City of Apple Valley, and the City of Rosemount, signed in October 2007.

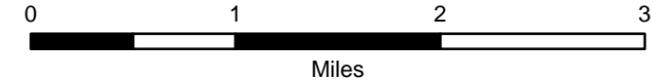
County responsibilities include maintenance of structural BMPs apart from the storm sewer infrastructure, including the Marsh Lake Bioswale and McDonough Lake berm. The County also is responsible for administering the SWPPP and General MS4 Permit Requirements including the development and implementation of TMDL plans and studies.

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City of Inver Grove Heights



-  County Municipal Separate Storm Sewer System (MS4)
-  Not within the County or City MS4
-  County Right-of-Way within the County MS4

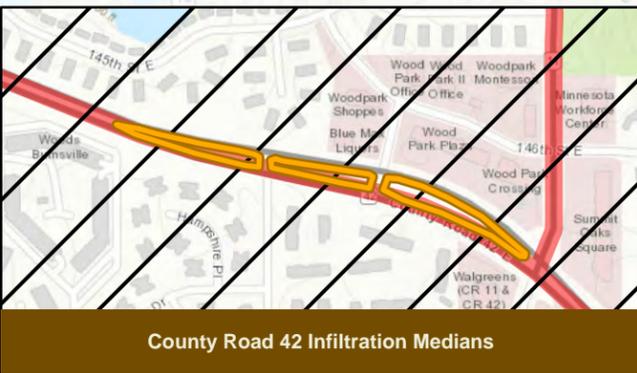
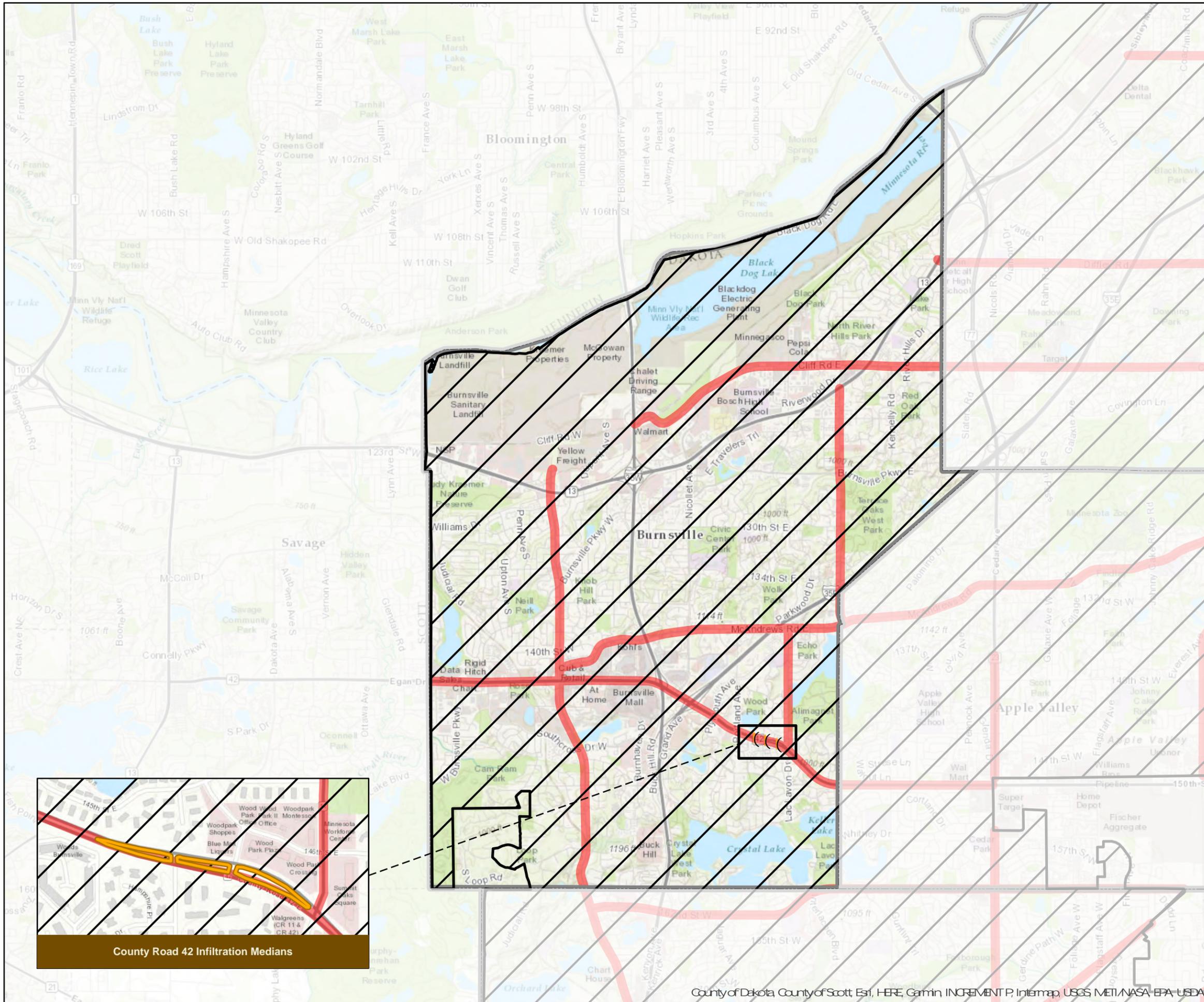


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Map Date: 6/6/2017

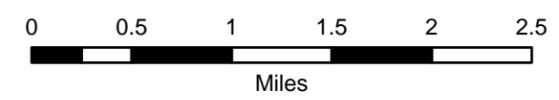


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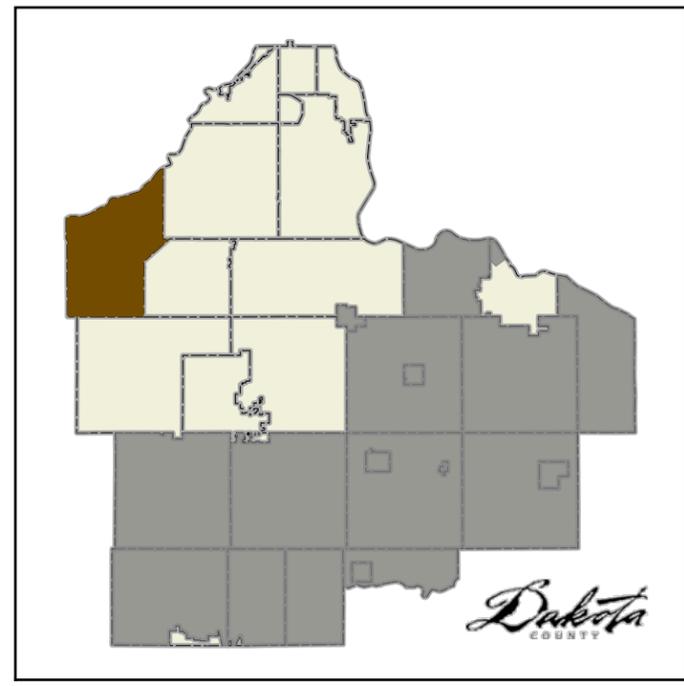
City of Burnsville



-  Structural BMP
-  County Municipal Separate Storm Sewer System (MS4)
-  Not within the County or City MS4
-  County Right-of-Way within the County MS4

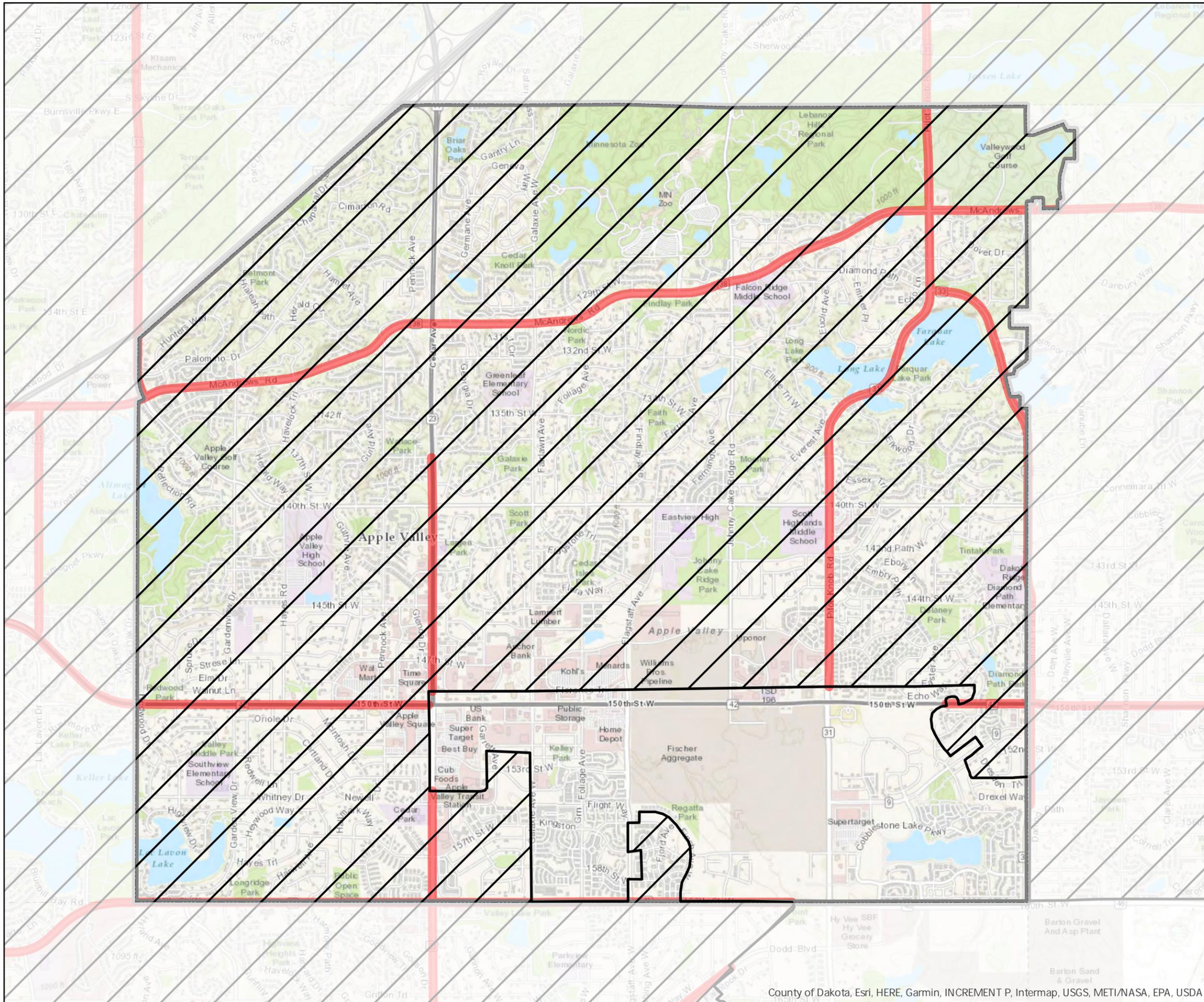


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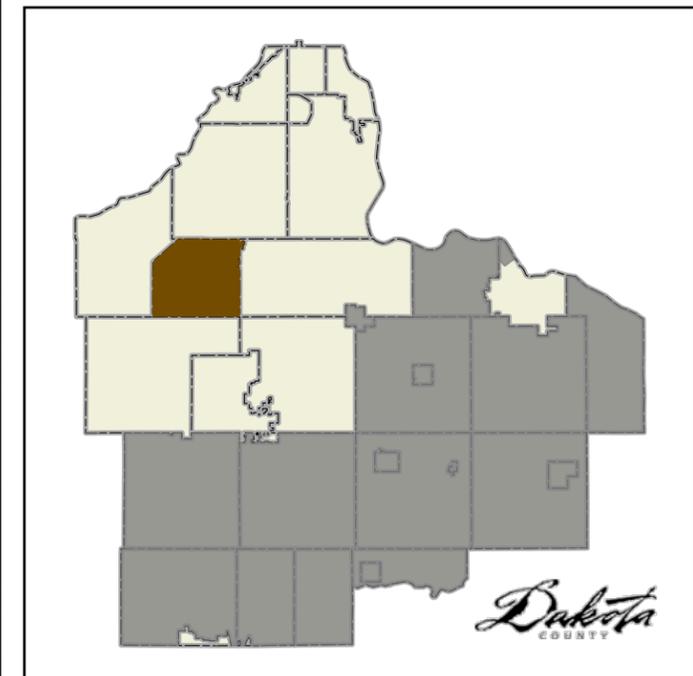
City of Apple Valley



-  County Municipal Separate Storm Sewer System (MS4)
-  Not within the County or City MS4
-  County Right-of-Way within the County MS4

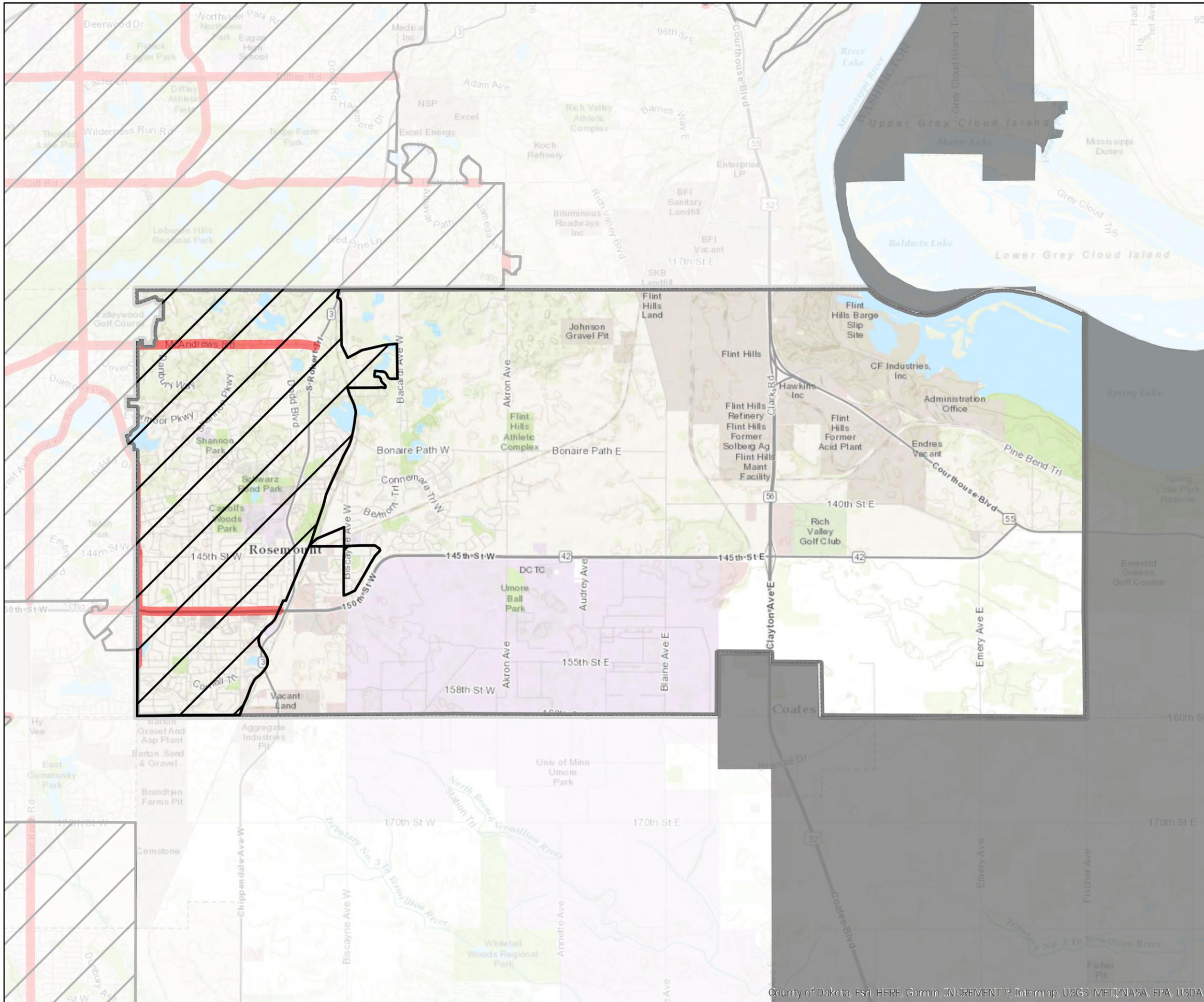


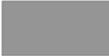
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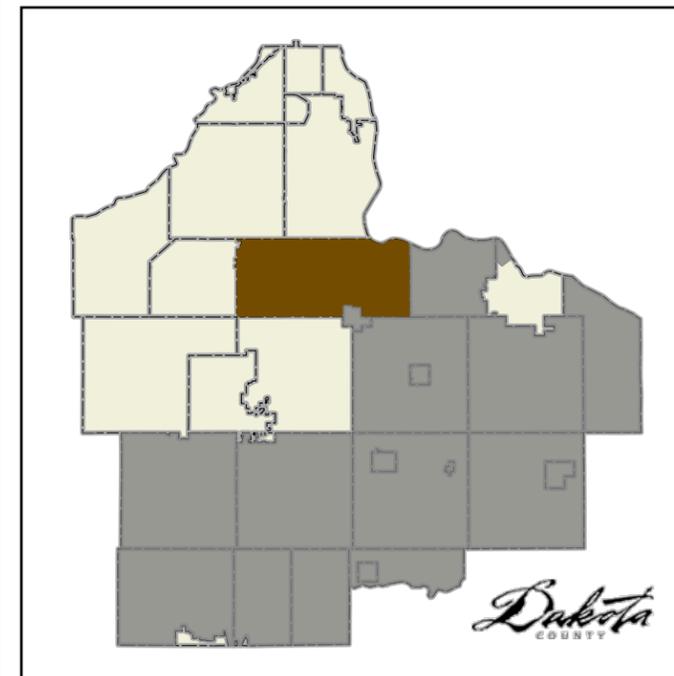
City of Rosemount



-  County Municipal Separate Storm Sewer System (MS4)
-  Not within the County or City MS4
-  County Right-of-Way within the County MS4



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Map Date: 6/6/2017



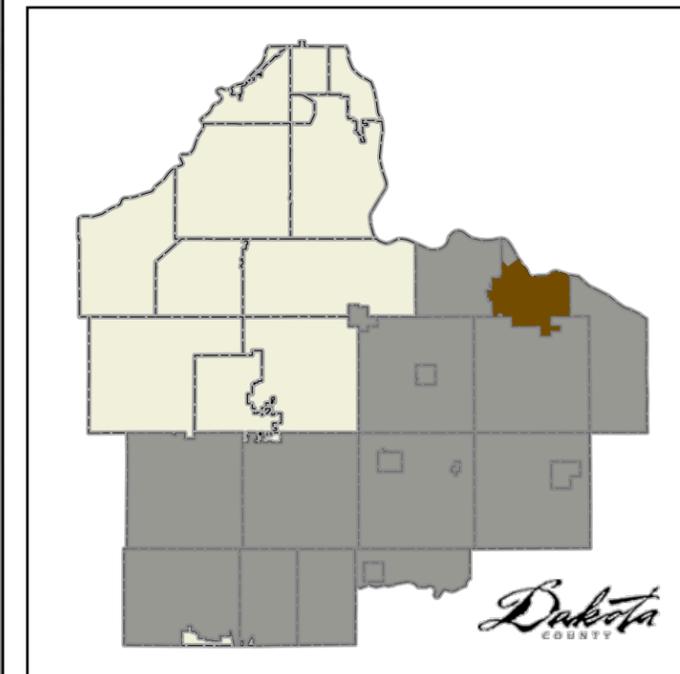
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City of Hastings

-  County Municipal Separate Storm Sewer System (MS4)
-  Not within the County or City MS4
-  County Right-of-Way within the County MS4

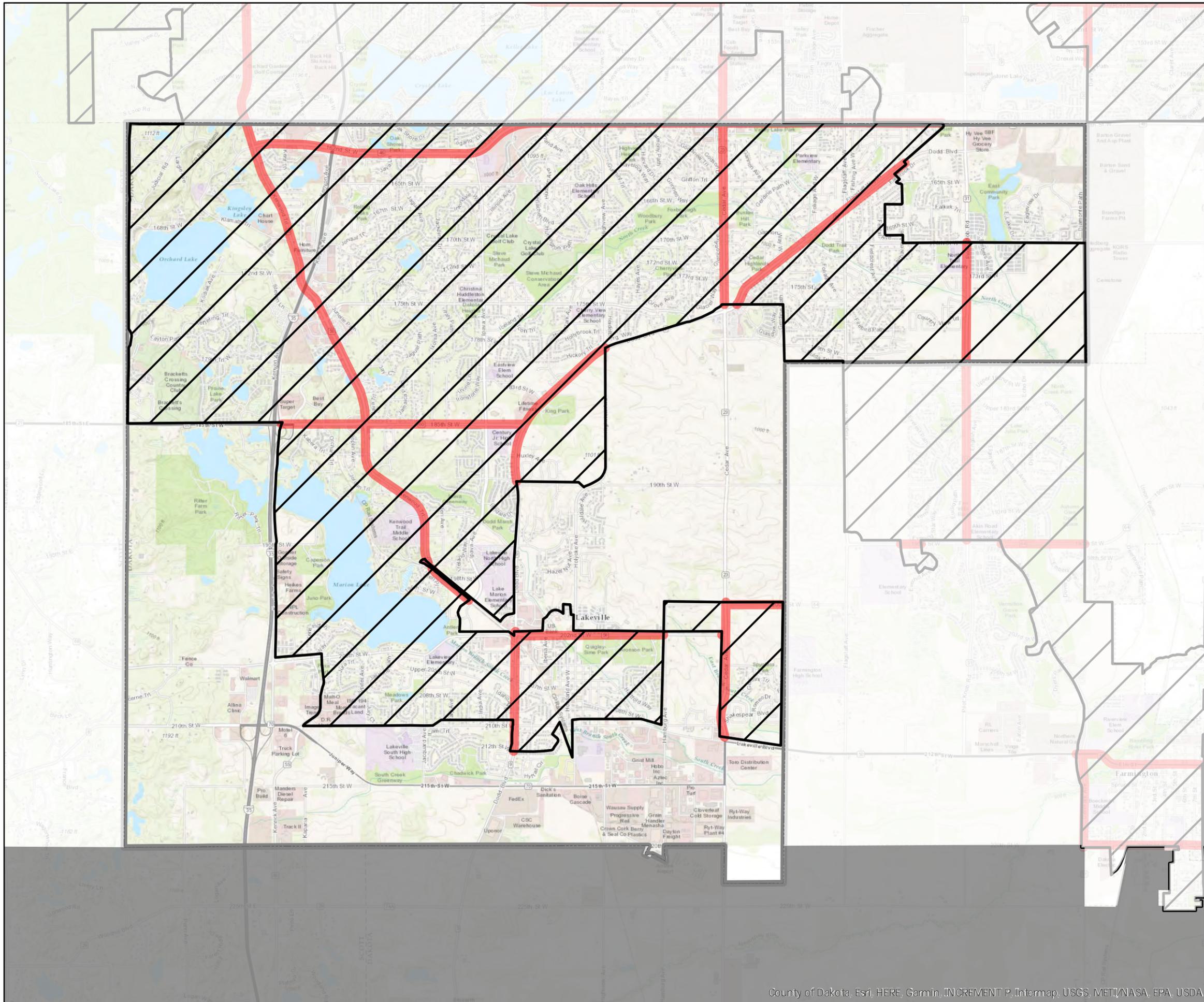


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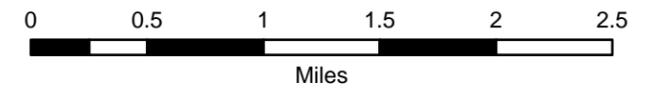


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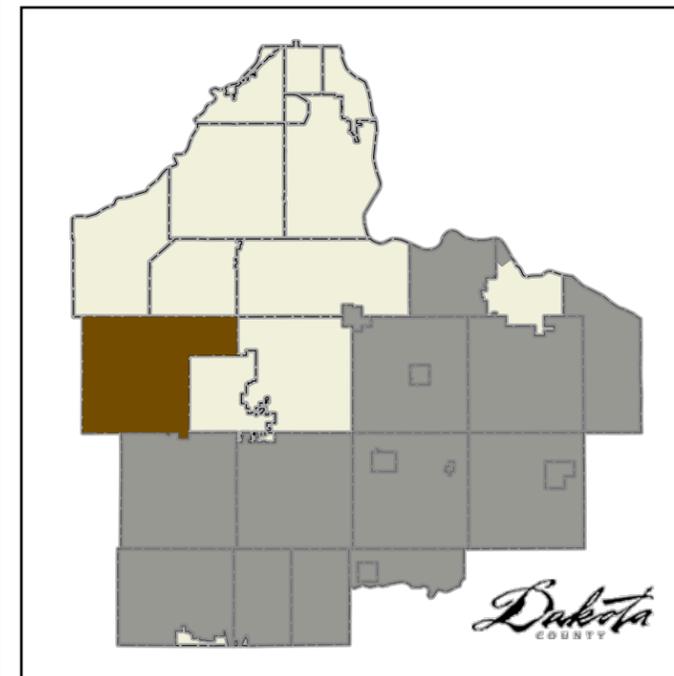
City of Lakeville



-  County Municipal Separate Storm Sewer System (MS4)
-  Not within the County or City MS4
-  County Right-of-Way within the County MS4

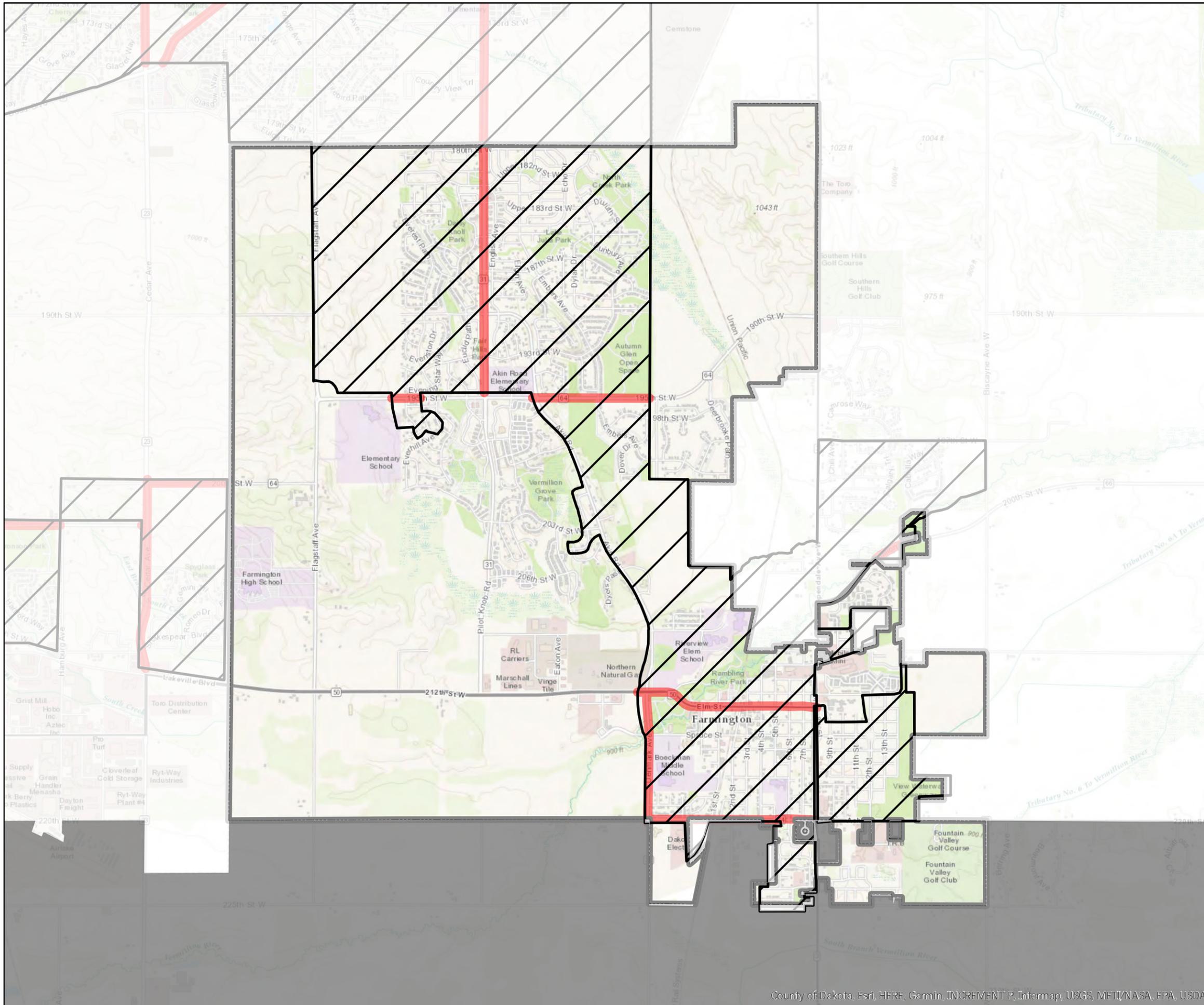


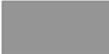
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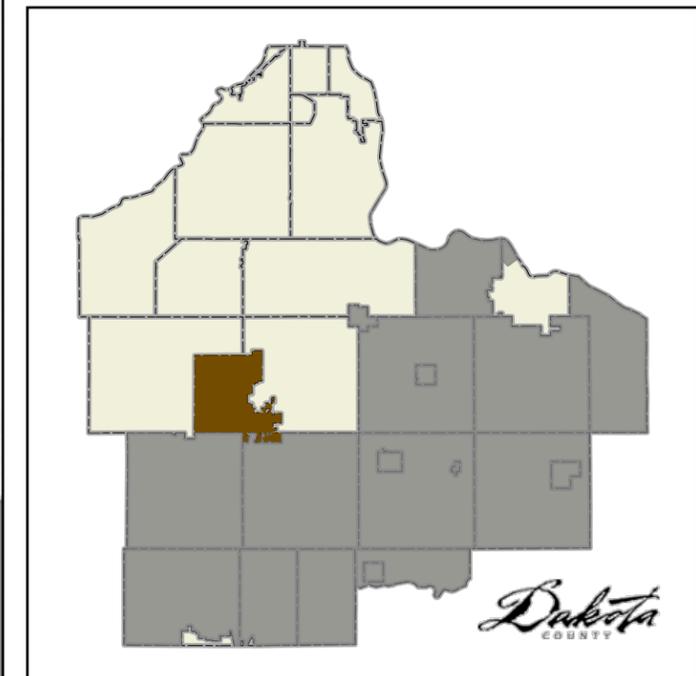
City of Farmington



-  County Municipal Separate Storm Sewer System (MS4)
-  Not within the County or City MS4
-  County Right-of-Way within the County MS4

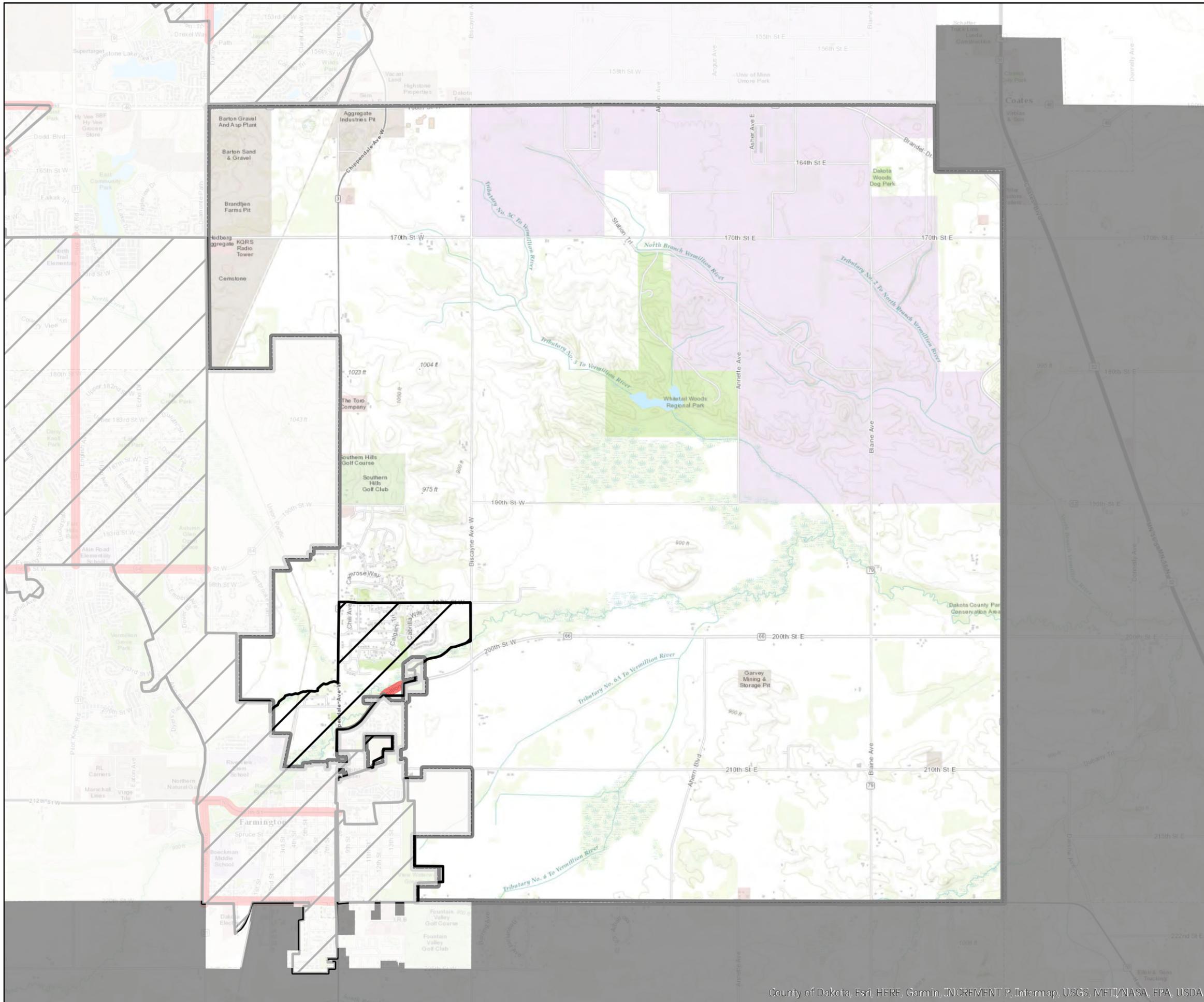


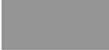
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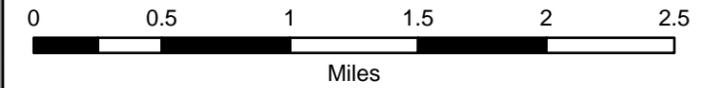


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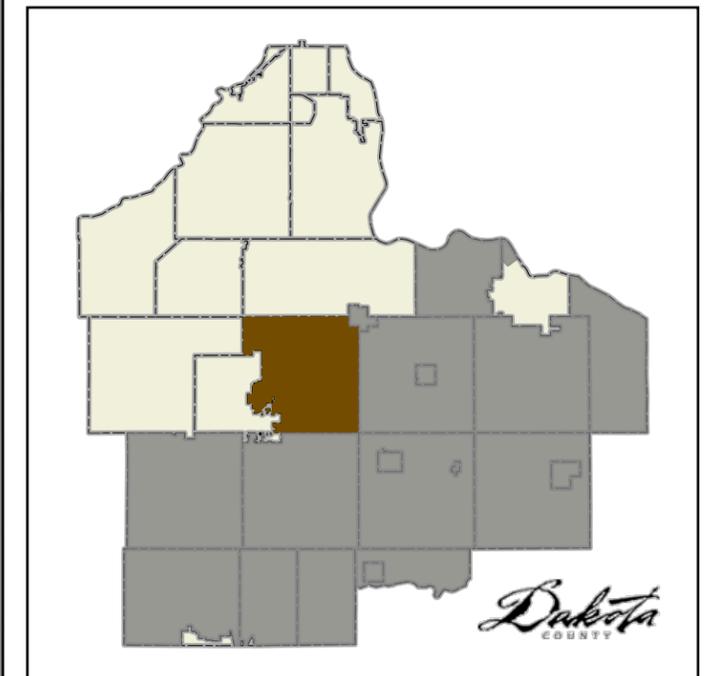
Empire Township



-  County Municipal Separate Storm Sewer System (MS4)
-  Not within the County or City MS4
-  County Right-of-Way within the County MS4



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