



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, August 17, 2022

Agenda Item

Item 6. A. – Presentation of Findings of Permitted Projects Inspections

Prepared By

Linda Loomis, Administrator

Summary

Young Environmental Consulting Group has conducted inspections of projects permitted by the LMRWD since the beginning of the LMRWD permitting program.

Interns Karina Weelborg and Anthony Crosby will attend the meeting to present the findings of the inspections conducted.

Attachments

Technical Memorandum – Lower Minnesota River Watershed District 2020-2022 Permitted Projects Inspections dated August 12, 2022

Recommended Action

No action recommended – for information only



Technical Memorandum

To: Linda Loomis, Administrator
Lower Minnesota River Watershed District

From: Anthony Crosby, Water Resources Science Intern
Karina Weelborg, Water Resources Science Intern
Hannah LeClaire, PE

Date: August 12, 2022

Re: Lower Minnesota River Watershed District (LMRWD) 2020–2022
Permitted Projects Inspections

In February 2020, the LMRWD adopted rules to govern soil erosion and sediment control, floodplain and drainage alteration, stormwater management, and development on steep slopes within the boundaries of the LMRWD. Since May 1, 2020, the LMRWD, through its technical consultant and district engineering team at Young Environmental Consulting Group LLC (Young Environmental), has been reviewing construction projects and issuing permits to ensure compliance with its rules.

As the LMRWD enters its third year of permit reviews, Young Environmental has hired two interns (Karina Weelborg and Anthony Crosby) to conduct permitted project inspections. These inspections are in accordance with the LMRWD's Administrative and Procedural Requirements Rule (Rule A) under which it reserves the right to conduct periodic audits, inspections, or both. The project review and permit approval process are thorough; however, in-field inspections confirm compliance with the LMRWD's rules during and after the construction of permitted projects.

The project inspection work plan included the following three primary tasks:

Table 1. Work Plan Tasks

| Task | Deliverables |
|-------------------------|--|
| 1. In-Office Inspection | Project spreadsheet; inspection notice, as-built request or inspection and maintenance records request email; inspection forms in Word documents; inspection forms in Survey 123; project inspection folder with all necessary documents and notes from in-office inspection for each project; GIS map of project locations; and preliminary schedule of field inspections |
| 2. Field Inspection | Survey 123 and Word document forms completed; list of special attention items for each project, if applicable; list of triggered rules for each project; pictures and videos of field inspection; list of identified violations categorized as <i>major, minor, or urgent</i> |
| 3. Post-Inspection | Spreadsheet for each project identifying and categorizing violations and providing resolution for the violation; brief email sent to applicant summarizing inspection outcomes; technical memorandums to the LMRWD board summarizing the findings of each project |

The work began at the end of May and included most of Task 1. Tasks 2 and 3 were completed between July 1, 2022, and August 8, 2022. The purpose of this memorandum is to summarize the completed work.

Task 1: In-Office Inspection

To ensure that interns were well-equipped and prepared to safely conduct their inspections, they completed the 10-hour Occupational Safety and Health Administration (OSHA) General Industry Outreach training. This training provided interns with insight into what safe fieldwork looks like. In addition to the OSHA training, interns conducted background research on construction best-management practices. This included in-depth reviews of the LMRWD rules and the Minnesota Stormwater Manual sections on construction.

After they were comfortable with the safety requirements for fieldwork, the interns reviewed permitted projects from 2020 to 2022. Throughout the permit review process, Young Environmental saved all relevant project information in their respective folders. Interns collected important information from each of these project folders to develop a master spreadsheet that separated the projects by approval years—2020, 2021, and 2022 (Attachment 1). The spreadsheet contains the following information:

- Permit number
- Project name

- Contact information of both the agent and owner
- Permit status (active [under construction] or closed [construction completed])
- Applicable rules for each project

The interns reviewed projects for general comprehension and flagged projects with any issues or concerns for review by Young Environmental supervisors Hannah LeClaire and Della Young. By the end of the process, 85 projects had been reviewed. However, only 48 of those projects resulted in an LMRWD permit.

Young Environmental developed Field Inspection forms with questions that capture whether a project was built in compliance with the LMRWD Rules B (Erosion and Sediment Control), C (Floodplain and Drainage Alteration), D (Stormwater Management), and F (Steep Slopes). The forms include general project information, such as the permit number, project location, and inspection date, along with questions that can be answered during a site's field inspection. The questions had been developed by reviewing the LMRWD rules criteria. These forms ensured all projects were inspected thoroughly and consistently and a record of each inspection was documented. The forms are included as Attachment 2.

To make filling out the inspection forms easier to complete in the field, interns entered the inspection form questions into a program called Survey 123 that is easily accessible on an iPad. They developed several drafts to ensure the surveys used for inspections were as concise and relevant as possible. The first draft was a single survey containing short-answer, free-response questions. Upon receiving feedback, interns decided the survey would be split into four sub-surveys: in-office active sites, field inspection active sites, in-office closed sites, and field inspection closed sites.

The in-office surveys included a mix of free-response questions based on erosion- and sediment-control plans, site plans, and other relevant documents. The in-office surveys were aimed to provide interns with the necessary background information to conduct field inspections and included questions about the grading limits, discharge locations, and best management practices (BMPs).

Field inspection surveys were made up of multiple-choice toggle questions that could easily be answered in the field and focused on confirming compliance of items identified during the in-office survey. The field survey also included the option to upload images. Once the rough drafts were finished, Young Environmental supervisors reviewed and finalized them for field use.

After developing the surveys, interns drafted emails requesting the additional information required to complete the field inspections. They sent the emails to the owner and agent for each of the 48 projects. Example emails are included in Attachment 3.

On June 23, the interns began sending emails to applicants, requesting the relevant

information by Friday, July 1, at 4:30 p.m. The initial response rate was approximately 75 percent.

As permittees responded to the information requests, we learned that seven projects had not begun construction. Because of unknown or tentative construction start dates, we decided that projects that had not begun construction by June 15, 2022, would be inspected in 2023. The project inspections listed in Table 2 were postponed based on this criterion, which brought the total number sites inspected down to 41. A map of all the project sites inspected is included as Attachment 4.

Table 2. Projects removed from the inspection list

| Permit No. | Project Name | City | Permit Issued | Construction Start Date (or Anticipated Start Date) |
|------------|---------------------------------|-------------------------|---------------|---|
| 2021-002 | CSAH 61 Drainage Ditch | Chanhausen | 10/21/2021 | August 2022 |
| 2021-030 | Building Renovation Park Jeep | Burnsville | 6/21/2022 | July 2022 |
| 2022-002 | 2022 MBL Nicolet River Crossing | Bloomington, Burnsville | 4/25/2022 | June 27, 2022 |
| 2022-003 | Ivy Brook Parking East | Burnsville | 5/16/2022 | June 20, 2022 |
| 2022-007 | Engineered Hillside | Eden Prairie | 4/22/2022 | July 11, 2022 |
| 2022-008 | Ivy Brook Parking West | Burnsville | 5/31/2022 | July 18, 2022 |
| 2021-042 | HWY 13 & Lone Oak Signal | Eagan | 10/22/2021 | August 2022 |

For each of the 41 projects, Anthony and Karina completed the in-office inspection forms by reviewing the stormwater management plans, erosion and sediment control plans, and construction site plans. They also created maps to help them navigate the site in the field. An example of the in-office inspection form and map is included as Attachment 5.

Task 2: Field Inspection

To become more familiar with the field inspection process, Anthony and Karina completed a trial field inspection with Hannah on June 20, 2022. Hannah, Anthony, and Karina visited Summerland Place first. According to information available, the permit was closed. However, upon arrival, it was clear the site was active. This trial field inspection provided valuable experience because the interns had not yet been to an active site and were required to adapt their inspection plan. Hannah provided critical insight into what to look for, such as erosion under the control blankets, unknown

filtration systems, and stockpiles that were well-maintained. After returning to the office, the interns learned that the second phase of the Summerland Place project had begun, and it was covered by a municipal permit from the City of Shakopee.

The second site visited included a group of related projects: the Gaughan Removal Plan, Shakopee Mix Use, Shakopee Flats, Shakopee Streets and Utility Reconstruction, and Shakopee River Bluffs Improvements. The site was chosen for the trial day because of the complexity of the connected sites. In general, the interns found the site to be in compliance; however, some of the catch basins did not have inlet protection.

After the trial inspections were complete, Karina and Anthony were prepared to begin the remaining field inspections. They continued to correspond with permittees to clarify the required information and schedule inspection dates. The final inspection schedule is included as Attachment 6.

Karina and Anthony began their field inspections on July 1, 2022, and averaged 10 field inspections per week during July. Two of the weekdays were dedicated to being in the field for the inspections, and the rest of the days were for preparation and post-inspection work. An example of a completed field inspection form is included as Attachment 7.

Task 3: Post-Inspection

Anthony and Karina developed a post-inspection spreadsheet that had the following sections for each District rule:

- Violation description
- Violation category (major or minor)
- Potential solutions
- Date permittee was notified
- Resolution

Photos were also included in the spreadsheets. Anthony and Karina used the spreadsheets to draft the post-inspection emails they sent to each permittee. Projects with and without violations were notified. The emails indicated one of the following:

- No LMRWD rule violations were found on-site, and no further action is required.
- The following violations were found on-site. Please refer to the NPDES permit compliance time frame for action deadlines. The LMRWD will perform a follow-up inspection in two to three weeks to confirm compliance.

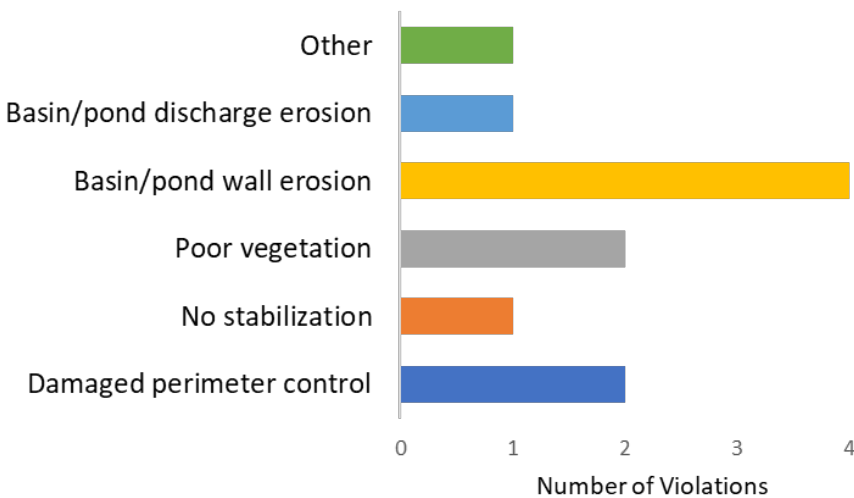
In addition to the post-inspection notification emails, Anthony and Karina prepared technical memorandums to summarize the findings of each inspection. The technical memorandums will be shared individually with the LMRWD board after the violations are

resolved.

Summary

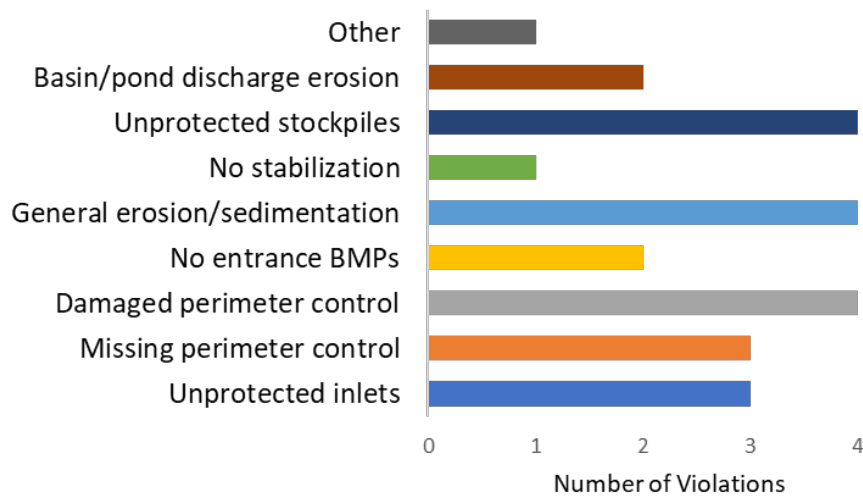
Between July 1, 2022, and July 28, 2022, 41 project sites were inspected to confirm compliance with LMRWD rules. Of the 41 project sites inspected, 24 were closed and 17 were active. Attachment 8 is a map of the project locations showing where site violations occurred. Chart 1 shows the various violations found at closed sites.

Chart 1. Closed Site Violations



Of the 24 closed sites, only 6 sites contained violations. The 11 violations are approximately evenly distributed between Rule B – Erosion and Sediment Control and Rule D – Stormwater Management. The most common closed site violation was the development of rills on the walls of stormwater management facilities. The Other category in Chart 1 accounts for construction material left behind. Chart 2 shows the different violations found at active sites.

Chart 2. Active Site Violations



Of the 17 active sites, 11 sites contained violations. The majority of active site violations, 88 percent, are Rule B – Erosion and Sediment Control. The most common violations were general site erosion and sedimentation, damaged perimeter control, and lack of sediment control on stockpiles. The Other category in Chart 2 accounts for a gap in the temporary bridge at the 77th Underpass site that led to ponding stormwater below the bridge.

Attachment 9 summarizes the post-inspection comments for all the projects inspected and provides the date that the permittee and/or contractor was notified about any violations on-site.

Next Steps

This is the first time that the LMRWD has completed project inspections for their permit program. Anthony and Karina executed the inspection process well and were able to determine if projects were in compliance and required no additional action, or, if not, they identified the specific violations and worked to address them with the permittee. The permittee was notified of permit violations in writing and provided resolution actions that must be implemented within a specified timeline to avoid formal hearings and judicial enforcements.

Permit violations will be considered resolved when the permittee sends a photo verifying that the issue has been corrected. If no response is received from the permittee within two to three weeks, Young Environmental will visit the site again to confirm if the violation had been voluntarily corrected. The 17 active sites that were visited this year will be added to next year’s inspection schedule along with any new permits that are issued before May 1, 2023. The inspection process is an important component of the LMRWD Permit Program and helps to ensure that developments within the LMRWD are

held accountable for following the LMRWD rules and issued permit terms, which will ultimately ensure the protection and improvement of natural resources within the watershed.

Attachments

- Attachment 1 – Master Project Spreadsheet
- Attachment 2 – Inspection Forms
- Attachment 3 – Example Emails
- Attachment 4 – Project Site Location Map
- Attachment 5 – Completed In-Office Inspection Survey123 Form
- Attachment 6 – Field Inspection Schedule
- Attachment 7 – Completed Field Inspection Survey123 Form
- Attachment 8 – Project Site Violation Map
- Attachment 9 – Post-Inspection Comments

Attachment I – Master Project Spreadsheet

Attachment 2 – Inspection Forms



Rule B – Field Inspection (Completed Project)

| Inspection Date | Inspector Name | Project Location |
|---|----------------|-----------------------------|
| 6/1/2022 | Jane Doe | 5555 Minnesota St, MN 55427 |
| Notes From In-Office Inspection | | |
| <ul style="list-style-type: none"> • • • | | |

| Field Inspection | |
|--|---|
| Is all the earthwork completed? Describe location and state of any uncompleted earthwork. Take photos. | |
| Do any of the following have less than 70% vegetative cover? Take photos of all vegetated cover. | <input type="checkbox"/> Slopes <input type="checkbox"/> Pond/Basin/BMP Slopes <input type="checkbox"/> Culvert Ends <input type="checkbox"/> Overflow Areas <input type="checkbox"/> Bridge/Structure Abutments <input type="checkbox"/> Conveyance channels or ditches <input type="checkbox"/> Other: <input type="checkbox"/> Other: |
| Describe locations with lack of correct vegetative cover. Take photos. | |
| Are final erosion and sediment control measures correctly installed? (i.e. Erosion control blanket, mulch) Describe locations with incorrect installation. Take photos. | |
| If sod was used, is all sod rooted into the soil? Describe locations that lack correct sod cover. Take photos. | |



| | |
|---|--|
| <p>Are weeds under control? Describe locations with excessive weed growth. Take photos.</p> | |
| <p>Are the staging areas thoroughly cleaned up? Are there any excess materials lying around? Describe locations with excess material. Take photos.</p> | |
| <p>Are any of the temporary BMPs still present on sites? Describe location and take photos.</p> | <ul style="list-style-type: none"> <input type="checkbox"/> Silt Fence <input type="checkbox"/> Inlet Protection <input type="checkbox"/> Culvert end protection <input type="checkbox"/> Sediment control barriers <input type="checkbox"/> Large hay bales <input type="checkbox"/> Sediment control logs <input type="checkbox"/> Silt curtain <input type="checkbox"/> Temporary rock/ditch checks <input type="checkbox"/> Other: <input type="checkbox"/> Other: |
| <p>Look for discharge locations noted on the plan set. Are there signs of excessive sedimentation or other pollutants? Note the location and take photos.</p> | |
| <p>Look for disposal sites on the plan set. Have the disposal sites used during construction been restored to their original conditions or to landowners requirements? Describe which disposal sites have not been adequately corrected. Take photos.</p> | |
| <p>Are there any soil rills/gullies? Describe location and state of soil rills. Take photos.</p> | |
| <p>Are there any damaged trees or branches that may present hazardous conditions? Describe the location and state of damage. Take photos.</p> | |



| | |
|--|--|
| <p>Is there evidence of any spills? Describe the location of the spill and take photos.</p> | |
| <p>Have any major washouts occurred? Describe location and extent of washout. Take photos.</p> | |
| <p>Are all interior and adjacent roads cleaned of debris and construction materials? Describe the location and extent of any dirty roads. Take Photos.</p> | |
| <p>Additional issues or concerns that were seen on-site or nearby. Take photos.</p> | |

Summary of Issues:

No issues were found



Rule C – Field Inspection (Completed Project)

| Inspection Date | Inspector Name | Project Location |
|--|----------------|-----------------------------|
| 6/1/2022 | Jane Doe | 5555 Minnesota St, MN 55427 |
| Notes From In-Office Inspection | | |
| <ul style="list-style-type: none"> | | |

| Field Inspection | |
|---|--|
| Locate floodplain work. Do the extents of work match the construction plans? Describe any issues. Take photos. (This may include rivers, lakes, wetlands, ponds, marshes, or ditches) | |
| Was compensatory storage proposed? If yes, locate and describe extents or issues. Take photos. | |
| Locate the structures on site. What are the lowest floor elevations for those structures according to the as-built plans? Are there any structures on-site that are not identified in the construction plan? Take photos. | |
| Locate proposed/existing culverts and waterways on-site. Verify type, size, and location. Take photos. | |
| Are there any culverts or waterways on-site that were not part of the proposed construction plan? Describe them and their location. Take photos. | |



Additional issues or concerns that were seen on-site or nearby. Take photos.

Summary of Issues:

No issues were found



Rule D – Field Inspection (Completed Project)

| Inspection Date | Inspector Name | Project Location |
|---|----------------|-----------------------------|
| 6/1/2022 | Jane Doe | 5555 Minnesota St, MN 55427 |
| Notes From In-Office Inspection | | |
| <ul style="list-style-type: none">••• | | |

| Field Inspection | |
|--|--|
| Compare the impervious areas to those proposed in the construction plans. Do they match? Describe any locations that do not match. Take photos. (Differentiate between HVRA's) | |
| Locate all stormwater management facilities (infiltration/filtration basins, stormwater ponds, regional stormwater ponds, etc.) Do the facilities generally look like what was proposed in the plans? Describe and take photos. | |
| Locate visible inlet culverts associated with the stormwater facilities. Describe size, type, and location. Take photos | |



| | |
|--|--|
| <p>Locate outlet control structures associated with the stormwater facilities. Describe size, type, and location.</p> | |
| <p>Locate emergency overflow areas. Describe size, type, and location. Take photos.</p> | |
| <p>If applicable, locate temperature control areas. Describe size, type, and location. Take photos.</p> | |
| <p>Based on the maintenance agreement, are the stormwater facilities accessible? Describe and take photos.</p> | |
| <p>Are there any wetlands, marshes, shoreland, or floodplain on-site? Are there impacts that are not identified in the construction plans? Describe and take photos.</p> | |
| <p>Additional issues or concerns that were seen on-site or nearby. Take photos.</p> | |



Summary of Issues:

No issues were found



Rule F – Field Inspection (Completed Project)

| Inspection Date | Inspector Name | Project Location |
|-----------------|----------------|-----------------------------|
| 6/1/2022 | Jane Doe | 5555 Minnesota St, MN 55427 |

Notes From In-Office Inspection

-

Field Inspection

| | |
|---|--|
| <p>Locate grading that has occurred on the steep slope(s). Describe the location and identify any issues (rills, gullies, erosion, sedimentation) Is there any grading that has happened that was not in the construction plans? Take photos.</p> | |
| <p>What type of stabilization measures were used to complete the final stabilization of the steep slopes? Take photos.</p> | <input type="checkbox"/> Degradable erosion control blanket <input type="checkbox"/> Mulch/Hydromulch <input type="checkbox"/> Seeding <input type="checkbox"/> Sod <input type="checkbox"/> Riprap <input type="checkbox"/> Willow/dogwood stakes <input type="checkbox"/> Benching <input type="checkbox"/> Geotextile <input type="checkbox"/> Other bioengineering <input type="checkbox"/> Other: <input type="checkbox"/> Other: |



| | |
|---|--|
| <p>Describe any issues with final stabilization techniques identified above (lack of vegetation, excessive weeds, exposed geotextile, failed riprap, mulch washed away). Take photos.</p> | |
| <p>Look for any steep slopes on-site that were not identified in the construction plans. Describe the state they are in, their location, and take photos.</p> | |
| <p>Look for waterways and discharge points on-site. Are there any new waterways or discharge points? Describe their location and any issues associated with them (erosion, sedimentation). Take photos.</p> | |
| <p>Look at the base of the steep slope for accumulation of sediment. Describe any issues. Take photos.</p> | |
| <p>Are there any stormwater management BMPs located on the steep slopes? Describe their location and take photos.</p> | |
| <p>Are there any waterbodies onsite? (ponds, lakes, rivers, wetlands, etc.) Is there evidence of sedimentation within the waterbodies? Describe any issues and take photos.</p> | |



| | |
|---|--|
| <p>Are there any damaged trees or other vegetation disturbed on-site (specifically the steep slopes) that may present hazardous conditions? Describe the location and state of damage. Take photos.</p> | |
| <p>Additional issues or concerns that were seen on-site or nearby. Take photos.</p> | |

Summary of Issues:

No issues were found

Attachment 3 – Example Emails

Closed Projects:

Dear *Permittee*,

I am an intern with Young Environmental Consulting Group, and we are contacting you on behalf of the Lower Minnesota River Watershed District. We wish to inform you that we will be conducting post-construction inspections on your Project site in the coming months to close out the project. These inspections are in accordance with the District's Administrative and Procedural Requirements Rule, or Rule A, under which it reserves the right to conduct periodic audits and/or inspections. In preparation for the inspection of Project, please email the relevant as-builts or record drawings for the project and the erosion and sediment control inspection and maintenance records, if applicable to xxx@umn.edu, with a copy to permit@lowermnrriverwd.org, by 4:30 p.m. on July 1, 2022.

Please contact us with any questions at xxxx@umn.edu and copy permit@lowermnrriverwd.org.

Sincerely,
Intern

Active Construction Projects:

Dear *Permittee*,

I am an intern with Young Environmental Consulting Group LLC, and we are contacting you on behalf of the Lower Minnesota River Watershed District. We wish to inform you that we will be conducting inspections on the Project site in the coming months. These inspections are in accordance with the District's Administrative and Procedural Requirements Rule, or Rule A, under which the District reserves the right to conduct periodic audits and/or inspections. In preparation for the inspection of Project, if applicable, please email the relevant erosion and sediment control inspection and maintenance records, stormwater management plan updates, and any changes and updates to construction site plans to xxxx@umn.edu, with a copy to permit@lowermnrriverwd.org, by 4:30 p.m. on July 1, 2022. Also, please confirm that XXXX is the correct person to contact for scheduling a site visit.

Please contact us with any questions at xxxx@umn.edu and copy permit@lowermnrriverwd.org.

Sincerely,
Intern

Attachment 4 – Project Site Location Map

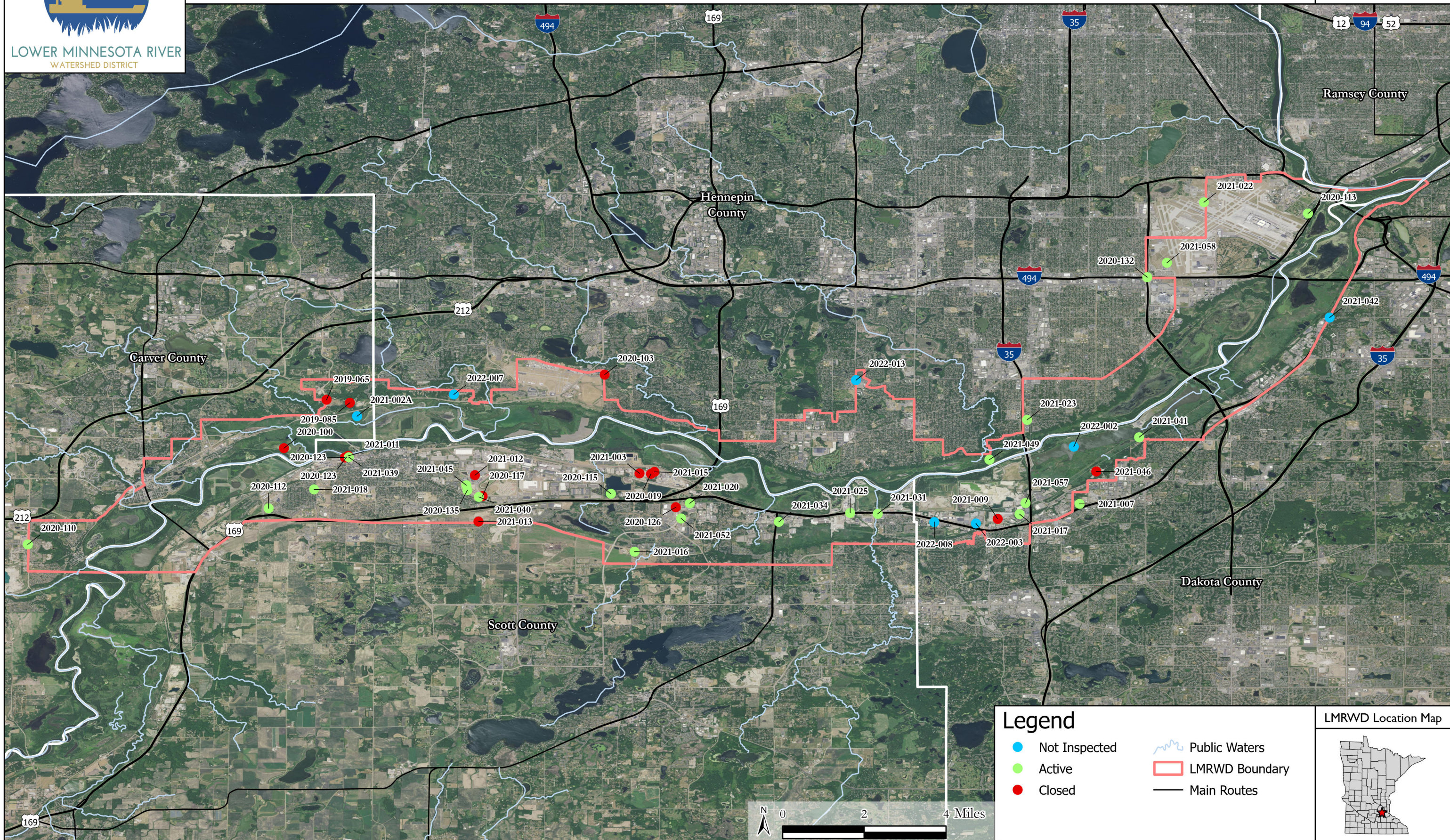


LOWER MINNESOTA RIVER
WATERSHED DISTRICT

Attachment 4: Project Site Location



Young Environmental
Consulting Group, LLC



**Attachment 5 – Completed In-Office Inspection Survey I 23
Form**

In-Office Survey for Active Projects

Submitted by: Deyoung03

Submitted time: Jul 25, 2022, 3:12:47 AM

What is the permit number?

2021-045

What is the project name?

Triple Crown Residences Phase II

What is the project address?

850 Shenandoah Drive, Shakopee, MN

Where is the nearest hospital to the site?

St. Francis Regional Medical Center, 1455 St Francis Ave, Shakopee, MN 55379

What is the purpose of the permit?

Construction of 321-unit apartment building and appurtenances

What are the proposed activities?

Site grading, utility and site improvements

7. Is this site in/near Overlay Districts, special lands, or impaired waters?

No

Is Rule B applicable?

Yes

Is the erosion and sediment control plan available?

Yes

If "Yes," identify the temporary erosion and sediment control practices listed. Describe type and location:

Phase 1

- silt fence along whole site

- inlet protection

Phase 2

- silt fence along sides

-sed logs to N

-inlet protection

Identify graded or disturbed areas that require restoration:

whole project area w/o pervious area (see map)

Identify impervious areas:

see map- building, parking lots, sidewalks, roads

Are staging areas identifiable?

Yes

If "Yes," where are the staging areas located?

South

Middle

Are disposal sites identifiable?

No

Identify vehicle entrances and exits. Describe their location:

NW entrance

What BMPs are in place to prevent vehicle tracking?

rock exite

Is Rule C applicable?

No

Is Rule D applicable?

Yes

Is the stormwater management plan available?

Yes

If "Yes," what are the stormwater management facilities proposed and where are they located?

runoff routed to regional stormwater basin N off site

Does the project take place near trout waters?

No

Is Rule F applicable?

No

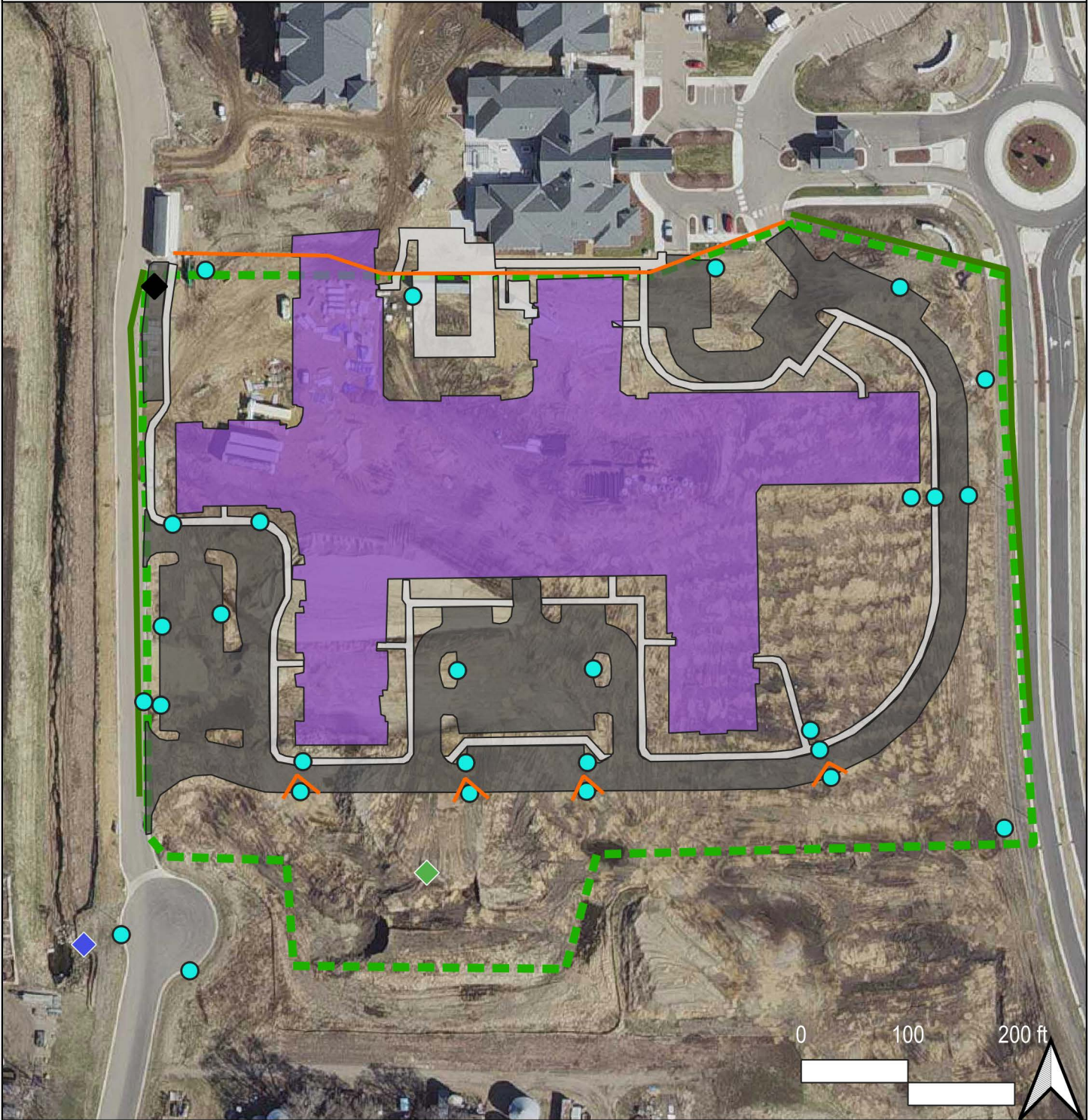
Does the project permit have special stipulations?

No

Are there any waterbodies located on-site?

No

Figure I: Triple Crown with Erosion Control



LEGEND

- | | | |
|-------------------------|-------------------|--------------------------|
| ◆ Construction Entrance | Triple Crown | ◆ Rip Rap |
| — Sed Logs Phase 2 | ■ Asphalt Paving | ◆ Stockpile |
| ● Inlet Protection | ■ Building | — Silt Fence Phase 2 |
| | ■ Concrete Paving | - - - Silt Fence Phase 1 |
| | ■ | |

Attachment 6 – Field Inspection Schedule

Attachment 6. LMRWD Field Inspection Schedule - Summer 2022

| Permit # | Project Name | Address | Status | Inspection Date |
|----------|---|---|--------|--------------------------|
| 2021-015 | Stagecoach Road Improvements | 7632 County Rd 101, Shakopee, MN 55379 | Closed | Friday, July 1, 2022 |
| 2020-019 | Cretex Site | Stagecoach Rd and County Rd 101, Shakopee, MN 55379 | Closed | Friday, July 1, 2022 |
| 2020-126 | Texas Roadhouse | 8160 Old Carriage Court North, Shakopee, MN, 55739 | Closed | Friday, July 1, 2022 |
| 2021-003 | Southwest Logistic Center | SW Corner of 70th and Old Cretex Ave, Shakopee, MN, 55379 | Closed | Friday, July 1, 2022 |
| 2019-085 | MN Bluffs Landslide Repair | MN Bluffs LRT Regional Trail in Chanhassen, MN | Closed | Wednesday, July 6, 2022 |
| 2020-103 | Prairie Heights | 12701 Pioneer Tr, Eden Prairie, MN 55347 | Closed | Wednesday, July 6, 2022 |
| 2019-065 | TH 101 Improvements | North of Flying Cloud Drive in Chanhassen, MN | Closed | Wednesday, July 6, 2022 |
| 2020-123 | Shakopee Flats | 339 1st Ave W, Shakopee, MN, 55379 | Closed | Wednesday, July 6, 2022 |
| 2020-123 | Gaughan Removal Plan | 339 1st Ave W, Shakopee, MN, 55379 | Closed | Wednesday, July 6, 2022 |
| 2021-011 | Shakopee Streets and Utility Reconstruction | Levee Drive, Shakopee, MN 55379 | Closed | Wednesday, July 6, 2022 |
| 2021-039 | Shakopee River Bluffs Improvements | Levee Drive, Scott Street, and Atwood Street, Shakopee, MN | Active | Wednesday, July 6, 2022 |
| 2021-018 | Jefferson Court | 1053 Jefferson St. S., Shakopee, MN 55379 | Active | Wednesday, July 6, 2022 |
| 2020-116 | Memorail Park Pedestrian Bridge | Memorial Park, Shakopee, MN, 55379 | Closed | Wednesday, July 6, 2022 |
| 2021-013 | Summerland Place | 1600 Phillips Drive, Shakopee, MN 55379 | Closed | Wednesday, July 6, 2022 |
| 2021-016 | Whispering Waters | 7556 Eagle Creek Blvd, Shakopee, MN 55379 | Active | Wednesday, July 13, 2022 |
| 2021-052 | Shakopee Dental | 8350 Hansen Avenue | Active | Wednesday, July 13, 2022 |
| 2021-034 | Circle K/Holiday | 7800 126th Street | Active | Wednesday, July 13, 2022 |
| 2021-025 | TH 13 Dakota Ave Improvments | TH13 in Savage between Louisiana Ave and Quentin Ave | Active | Wednesday, July 13, 2022 |
| 2021-031 | Caribou Coffee | 4905 Highway 13 W, Savage, MN 55378 | Active | Wednesday, July 13, 2022 |
| 2021-017 | Capstone 35 | 12501 Dupont Ave., Burnsville, MN 55337 | Active | Wednesday, July 13, 2022 |
| 2021-057 | Cliff Road Ramps | 1-35W and Cliff Road | Active | Wednesday, July 13, 2022 |
| 2021-012 | Canterbury Parking Lot | 1100 Canterbury Road S., Shakopee, MN 55379 | Closed | Tuesday, July 19, 2022 |
| 2020-117 | Greystone HQ | 1100 Canterbury Road, Shakopee, MN 55379 | Closed | Tuesday, July 19, 2022 |
| 2020-100 | Peterson Farms Road Maintenance | Co. Rd 61, Chanhassan, MN | Closed | Tuesday, July 19, 2022 |
| 2020-112 | Vierling Industrial | Parcel ID 274730040 | Active | Tuesday, July 19, 2022 |
| 2021-058 | Perimeter Gate Security Improvements | SW quadrant of Minneapolis/St. Paul Airport | Active | Wednesday, July 20, 2022 |
| 2020-113 | Fort Snelling Redevelopment | 6409 Taylor Avenue, St. Paul, MN 55111 | Active | Wednesday, July 20, 2022 |
| 2021-045 | Triple Crown Residences PHase II | 850 Shenandoah Drive | Active | Tuesday, July 26, 2022 |
| 2020-135 | Canterbury Crossing | Shenandoah Drive, Shakopee, MN, 55379 | Active | Tuesday, July 26, 2022 |
| 2021-040 | Omry Independent Living | 2900 Winners Circle Drive | Active | Tuesday, July 26, 2022 |
| 2020-110 | CSAH 11 Reconstruction Project | CSAH 11 from 4th St. to CSAH 61, Carver, MN, 55315 | Active | Tuesday, July 26, 2022 |
| 2021-009 | Burnsville Industrial Phase IV | 12400 Dupont Ave South, Burnsville, MN 55337 | Closed | Thursday, July 28, 2022 |
| 2021-022 | 2021 Saftey and Security Center Phase 1 | 6320 34th Ave, Minneapolis, MN 55450 | Active | Thursday, July 28, 2022 |
| 2020-132 | 77th underpass | Northeast quadrant of the TH 77 and I-494 quadrant in Bloomington, MN | Active | Thursday, July 28, 2022 |
| 2021-046 | CenterPoint Dakota | 11500 12th Ave S, Burnsville, MN 55337 | Closed | Thursday, July 28, 2022 |
| 2021-041 | Xcel Energy Line 0832 | 1400 Black Dog Road East, Burnsville, MN 55337 | Active | Thursday, July 28, 2022 |
| 2020-115 | Quarry Lake Mountain Bike Area | 201 Innovation Blvd, Shakopee, MN 55379 | Active | Thursday, July 28, 2022 |
| 2021-020 | Core Crossing Apartments | 1360 Stagecoach Road, Shakopee MN | Active | Thursday, July 28, 2022 |
| 2021-049 | Stump road maintenance | 11200 Humboldt Ave S | Active | Thursday, July 28, 2022 |
| 2021-007 | Burnsville cemetery expansion | 400 State Highway 13 East | Closed | Thursday, July 28, 2022 |
| 2021-023 | 106th St Improvement Project | W. 106th Street and I-35W, Bloomington, MN 55431 | Active | Thursday, July 28, 2022 |

Attachment 7 – Completed Field Inspection Survey I 23 Form

Active Site Field Inspection Survey

Submitted by: Deyoung03

Submitted time: Jul 26, 2022, 4:05:10 PM

What is the permit number?

Triple crown 2021-045

Date and time of the inspection

Jul 26, 2022, 8:15:00 AM

What is the weather?

Overcast

Has it rained in the past 48 hours?

No

Is Rule B applicable?

Yes

Are there any areas where construction is not taking place?

Yes

Are temporary erosion control BMPs in place as described in the erosion and sediment control plan or stormwater management plan?

No

If "No," upload images of the temporary erosion control BMPs differing from the sediment control plan or stormwater management plan:



Are all inlets protected from sediment?

Yes

Are vehicle tracking BMPs in place as described in the plans?

Yes

Are all interior and adjacent roads cleaned and clear of construction materials:

No

If "No," describe the location of interior and adjacent roads not cleaned and clear of construction materials:

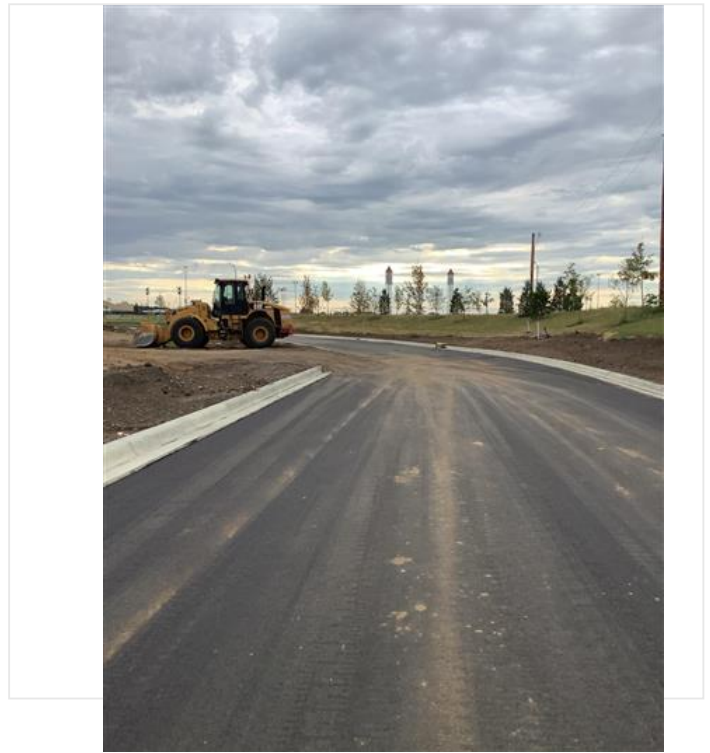
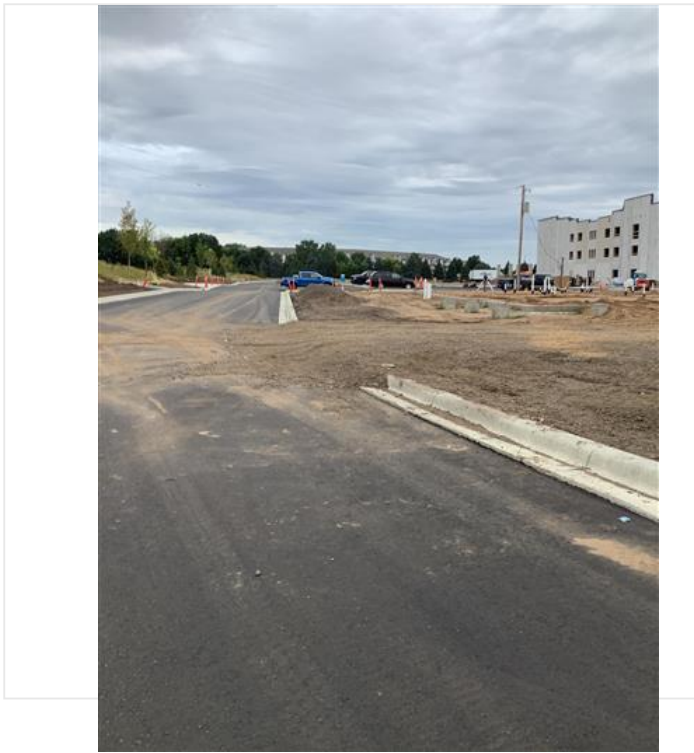
Middle

West

South

East

If "No," upload images of the interior and adjacent roads not cleaned and clear of construction materials:



Is there evidence of any spills?

No

Are there stockpiles of materials on-site?

Yes

If "Yes," are there temporary BMPs in place to prevent erosion?

Yes

If "No," describe the location of the stockpile without a temporary BMP to prevent erosion:

Middle

West

Are staging areas identifiable?

Yes

If "Yes," are there any temporary BMPs in the staging area?

Yes

Were any discharge or inlet locations identified?

No

Are there any damaged trees or branches that may present hazardous conditions?

No

Images of any additional Rule B concerns or issues:



image.jpg

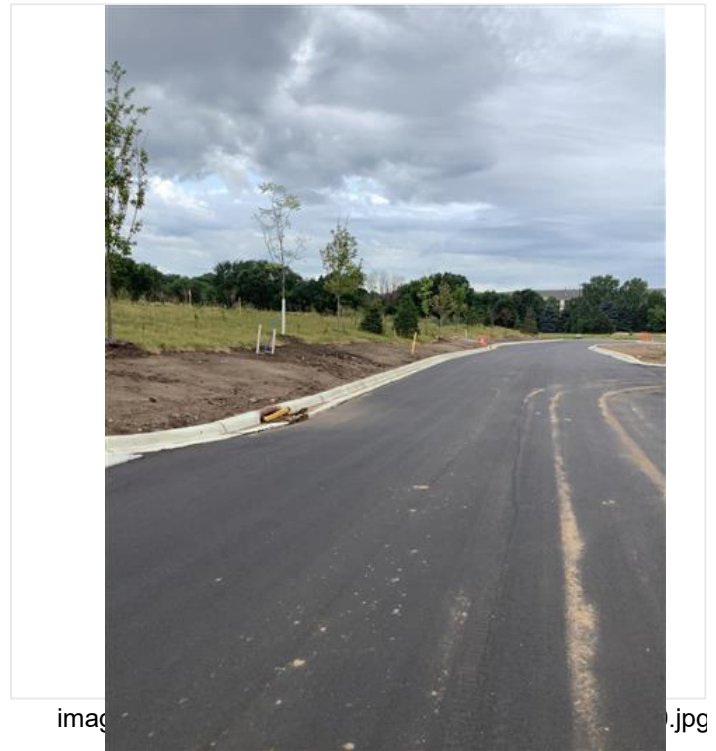


image.jpg



image.jpg



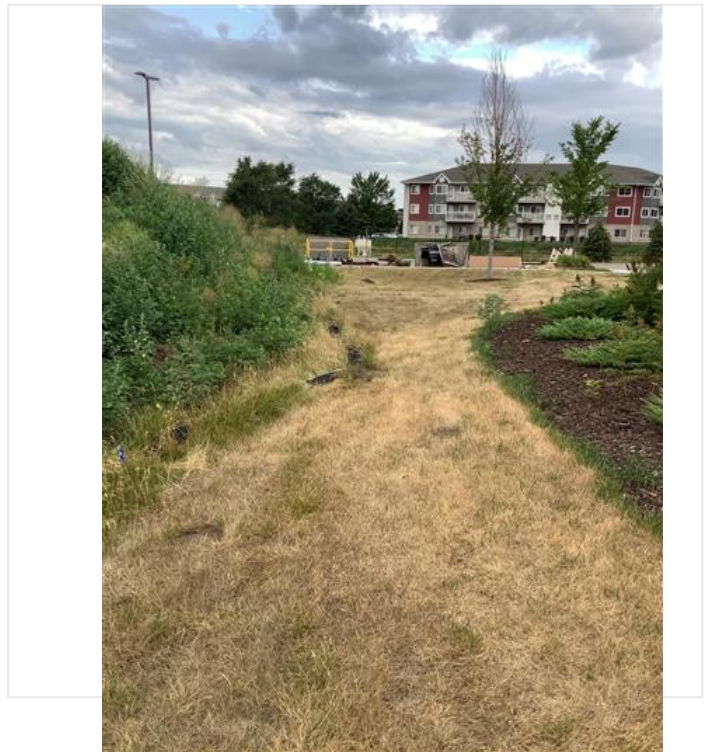
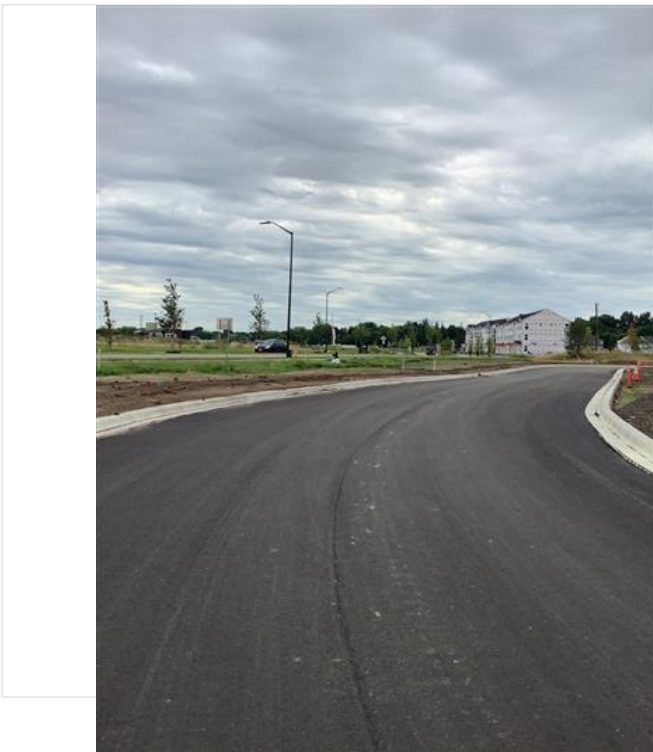
images_of_any_additional_rule_b-20220726-132536.jpg



E side of Site.jpg



Putting in sprinkler system.jpg



Is Rule C applicable:

No

Is Rule D applicable?

Yes

Are any impervious areas constructed?

Yes

If "Yes," do impervious areas proposed match those seen in the field?

Yes

Are temporary sedimentation basins, or other approved infiltration BMPs properly maintained?

Yes

Are permanent stormwater management facilities constructed yet

No

Do any visible culverts exist that were not listed in the plans?

No

Do outlet control structures associated with stormwater facilities differ from those listed in the plan

No

Do stormwater facilities have emergency overflow areas as described in the construction plans?

Yes

Is the site by designated trout waters?

No

Is Rule F applicable?

No

Are there any water bodies on-site?

No

Were there any special stipulations for this site?

No

Attachment 8 – Project Site Violation Map

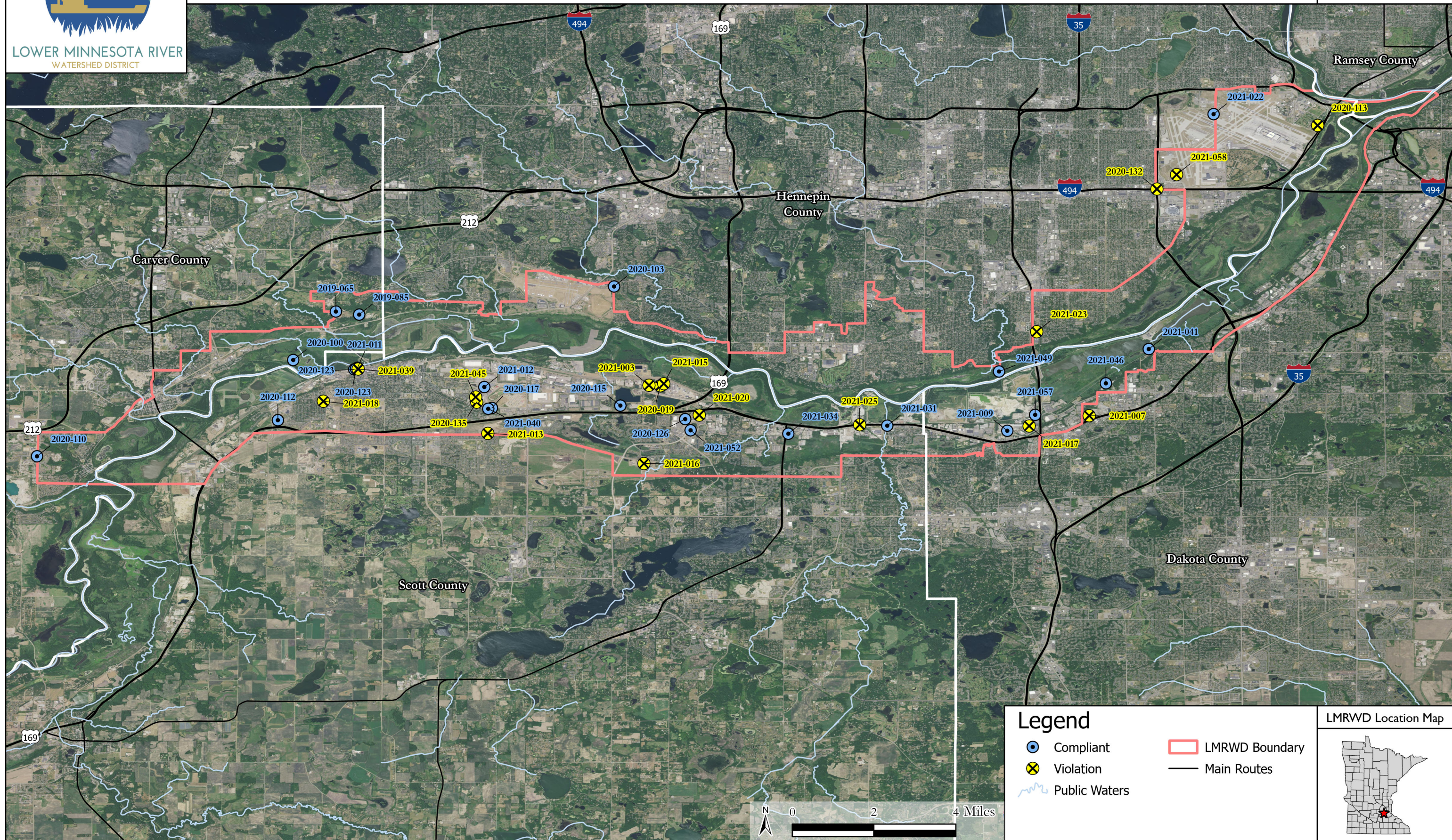


LOWER MINNESOTA RIVER
WATERSHED DISTRICT

Attachment 8: Project Site Violations



Young Environmental
Consulting Group, LLC



Attachment 9 – Post-Inspection Comments

Attachment 9. Post-Inspection Comments



| Project Name (LMRWD Permit No.) | Rules Triggered | Post-Inspection Comments | Permittee/Contractor Notified Date |
|---|---|---|------------------------------------|
| Summerland Place (2021-013) | B – Erosion and Sediment Control, D – Stormwater Management | <ul style="list-style-type: none"> • Active construction on Phase 2 of the residential development • Rills forming under the erosion control blanket within the stormwater BMPs • Less than 70% vegetation establishment • Some silt fence maintenance needed | 7/25/2022 |
| Stagecoach Road Improvements (2021-015) | B – Erosion and Sediment Control, D – Stormwater Management | <ul style="list-style-type: none"> • Rills going down the side of pond | 7/25/2022 |
| Cretex Site (2020-019) | B – Erosion and Sediment Control | <ul style="list-style-type: none"> • Silt fence maintenance needed • Rill in stormwater BMP side | 8/5/2022 |
| Texas Roadhouse (2020-126) | B – Erosion and Sediment Control, D – Stormwater Management | <ul style="list-style-type: none"> • No issues, site ready to be closed | 7/20/2022 |
| Southwest Logistics Center (2021-003) | B – Erosion and Sediment Control | <ul style="list-style-type: none"> • Lack of vegetation around the site • South BMP poor riprap, and erosion and sedimentation issues • Leftover construction material | 7/20/2022 |

| | | | |
|--|---|---|------------------|
| <p>MN Bluffs LRT Regional Trail Landslide Repairs (2019-085)</p> | <p>B – Erosion and Sediment Control, Rule F – Steep Slopes</p> | <ul style="list-style-type: none"> • No issues, site ready to be closed | <p>7/22/2022</p> |
| <p>Prairie Heights (2020-103)</p> | <p>B – Erosion and Sediment Control, D – Stormwater Management</p> | <ul style="list-style-type: none"> • Several small rills and one large rill along the northern filtration basin | <p>7/20/2022</p> |
| <p>TH 101 Improvements (2019-065)</p> | <p>B – Erosion and Sediment Control, D – Stormwater Management, Rule F – Steep Slopes</p> | <ul style="list-style-type: none"> • Sediment logs left by riprap from bridge removal • Areas with less than 70% vegetation, but BMPs were in place | <p>7/22/2022</p> |
| <p>Shakopee Gaughan Removal Plan (2020-123)</p> | <p>B – Erosion and Sediment Control</p> | <ul style="list-style-type: none"> • No issues, site ready to be closed | <p>7/25/2022</p> |
| <p>Shakopee Flats (2020-123)</p> | <p>B – Erosion and Sediment Control, D – Stormwater Management</p> | <ul style="list-style-type: none"> • No issues, site ready to be closed | <p>7/25/2022</p> |
| <p>2021 Street and Utility Reconstruction (2021-011)</p> | <p>B – Erosion and Sediment Control</p> | <ul style="list-style-type: none"> • No issues, site ready to be closed | <p>7/25/2022</p> |

| | | | |
|--|--|--|-----------|
| River Bluffs Improvement (2021-039) | B – Erosion and Sediment Control, D – Stormwater Management | <ul style="list-style-type: none"> • Missing Sections of sediment control log • Lack of vehicle tracking BMPs • Stockpiles with no erosion prevention • Drop off | 7/25/2022 |
| Jefferson Court (2021-018) | B – Erosion and Sediment Control | <ul style="list-style-type: none"> • Large gap in silt fence • Silt fence maintenance needed • Unprotected inlets | 7/20/2022 |
| Memorial Park Pedestrian Bridge and Trail (2020-116) | B – Erosion and Sediment Control, C – Floodplain and Drainage | <ul style="list-style-type: none"> • Broken and fallen branches | 7/20/2022 |
| Whispering Waters (2021-016) | B – Erosion and Sediment Control, C – Floodplain and Drainage, D – Stormwater Management | <ul style="list-style-type: none"> • Missing vehicle entrance BMP • Lacking perimeter control around pond • Stockpiles lacking sediment control • Gully forming at pond outlet | 7/22/2022 |
| Shakopee Dental (2021-052) | B – Erosion and Sediment Control | <ul style="list-style-type: none"> • No issues | 7/21/2022 |
| Circle K / Holiday (2021-034) | B – Erosion and Sediment Control | <ul style="list-style-type: none"> • Riprap no sufficient | 8/4/2022 |

| | | | |
|--|--|---|-----------|
| TH 13 Dakota Ave Improvements (2021-025) | B – Erosion and Sediment Control, C – Floodplain and Drainage, D – Stormwater Management | <ul style="list-style-type: none"> • Stockpiles without perimeter control • Sediment buildup with washout | 7/25/2022 |
| Caribou Coffee – Savage (2021-031) | C – Floodplain and Drainage | <ul style="list-style-type: none"> • No issues, site ready to be closed | 7/20/2022 |
| Capstone 35 (2021-017) | B – Erosion and Sediment Control, D – Stormwater Management | <ul style="list-style-type: none"> • Silt fence maintenance needed • Stockpiles without perimeter control | 7/25/2022 |
| Cliff Road Ramps (2021-057) | B – Erosion and Sediment Control | <ul style="list-style-type: none"> • No issues | 7/22/2022 |
| Peterson Farms Road Maintenance (2020-100) | C – Floodplain and Drainage | <ul style="list-style-type: none"> • No Issues, ready to be closed | 8/4/2022 |
| Greystone HQ (2020-117) | B – Erosion and Sediment Control, D – Stormwater Management | <ul style="list-style-type: none"> • No issues, ready to be closed | 7/20/2022 |
| Vierling Industrial (2020-112) | B – Erosion and Sediment Control, D – Stormwater | <ul style="list-style-type: none"> • No issues, ready to be closed | 7/25/2022 |
| Canterbury Park Parking Lot (2021-012) | B – Erosion and Sediment Control | <ul style="list-style-type: none"> • No issues, ready to be closed | 7/25/2022 |

| | | | |
|---|--|--|-----------|
| 2021 Safety and Security Phase 1 (2021-022) | B – Erosion and Sediment Control, D – Stormwater | <ul style="list-style-type: none"> No issues | 7/22/2022 |
| Fort Snelling Redevelopment (2020-113) | B – Erosion and Sediment Control, D – Stormwater | <ul style="list-style-type: none"> No issues | 7/25/2022 |
| Triple Crown Residences Phase 2 (2021-045) | B – Erosion and Sediment Control, D – Stormwater | <ul style="list-style-type: none"> One inlet unprotected | 7/27/2022 |
| Canterbury Crossings (2020-135) | B – Erosion and Sediment Control, D – Stormwater | <ul style="list-style-type: none"> Silt fence maintenance needed Pond 2 erosion between riprap | 7/27/2022 |
| Omry Independent Living (2021-040) | B – Erosion and Sediment Control, D – Stormwater | <ul style="list-style-type: none"> No issues | 8/4/2022 |
| Quarry Lake Mountain Bike Area (2020-115) | B – Erosion and Sediment Control | <ul style="list-style-type: none"> No issues, ready to be closed | 7/27/2022 |
| Core Crossings Apartments (2021-020) | B – Erosion and Sediment Control, D – Stormwater | <ul style="list-style-type: none"> Silt fence broken or collapsed | 7/27/2022 |
| CSAH 11 Reconstruction Project (2020-110) | Rule F – Steep Slopes | <ul style="list-style-type: none"> No issues | 7/27/2022 |

| | | | |
|---|---|--|----------|
| Stump Road Maintenance (2021-049) | C – Floodplain and Drainage | <ul style="list-style-type: none"> No issues, ready to be closed | 8/4/2022 |
| Burnsville Cemetery Expansion (2021-007) | B – Erosion and Sediment Control | <ul style="list-style-type: none"> Lack of stabilization Rills on site entrances Gully forming in SW corner | 8/4/2022 |
| 106 th Street Improvement Project (2021-023) | B – Erosion and Sediment Control | <ul style="list-style-type: none"> Lack of inlet protection | 8/4/2022 |
| CenterPoint Dakota Station Facility (2021-046) | B – Erosion and Sediment Control, Rule F – Steep Slopes | <ul style="list-style-type: none"> No issues | 8/4/2022 |
| Xcel Energy Line 0832 (2021-041) | C – Floodplain and Drainage | <ul style="list-style-type: none"> No issues, ready to be closed | 8/4/2022 |
| 77 th Underpass (2020-132) | B – Erosion and Sediment Control, D – Stormwater | <ul style="list-style-type: none"> Stormwater pooling under bridge from opening in temporary bridge | 8/4/2022 |
| Perimeter Gate and Security Improvements (2021-058) | B – Erosion and Sediment Control, D – Stormwater | <ul style="list-style-type: none"> Sedimentation by parking lot inlet from stockpile area Lack of stabilization | 8/4/2022 |
| Burnsville Industrial – Phase IV (2021-009) | B – Erosion and Sediment Control, D – Stormwater | <ul style="list-style-type: none"> No issues | 8/4/2022 |