



Please note the meeting date has changed from Wednesday to Monday and the meeting will be held at the Scott County Law Enforcement Center, 301 Fuller Street South, Shakopee

LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Monday, September 17, 2018

Agenda Item

Item 7. G. - Project Reviews

Prepared By

Linda Loomis, Administrator

Summary

i. Hennepin County - CSAH 61 - Flying Cloud Drive

In July, the MPCA conducted an NPDES (National Pollution Discharge Elimination System) inspection of the reconstruction of Flying Cloud Drive. Several corrective actions were required and an inspection was set up of the area. For some reason, the LMRWD was notified of the notice of corrective actions, but not invited to participate in the follow up inspection. I copied Managers on an email that was sent to the County and its contractor about this oversight. I was provided with a map of the areas where corrective actions were required and the majority of the areas are within the LMRWD. The MPCA Notice of Corrective Actions and pictures of the cited areas is attached.

Actions have been taken to prevent further damage. I have been told that there restoration will wait until the project is complete, incase that is another large rain event that washed everything out or causes the river to flood again. The extent and depth of displaced soil will have to be measured before restoration can take be planned. Some areas may be difficult to reach.

ii. MNDOT - I-494/TH 5/TH 55 Mill and Overlay Project

MNDOT is planning a project in 2019 to mill and overlay portions of I-494 near Fort Snelling. A portion of the project includes the Mendota Bridge. Repair and replacing stormwater pipes are part of the project. Stormwater pipes for the Mendota Bridge are Corrugated Metal Pipe (CMP). MNDOT originally thought they could just replace the pipes with like, however when they were working on the design they found that the current system caused problems with velocities and erosion. Engineers for the project have proposed a new configuration for stormwater conveyance and staff has been working with project Engineers to make sure the new design meets LMRWD standards.

In other areas of this project the current stormwater pipes will be lined, as they are concrete pipes.

iii. MNDOT 0 I-35W Bridge Replacement

The LMRWD was requested to provide comments on an application the DNR received for water appropriation to dewater coffer dams used to construct piers for the I-35W Bridge replacement. LMRWD staff reviewed the proposal and discharge plan and had no comments to offer.

iv. City of Shakopee - Amazon Fulfillment Center

The LMRWD received a phone call from Three Rivers Park District about a stormwater problem they are having in one of their parks in the LMRWD. Murphy's Landing is experiencing high volumes of stormwater flowing from the

Amazon Fulfillment Center in Shakopee, across TH 101 and into the park. There are many Indian burial mounds in the area that are being impacted by the stormwater flow.

I have spoken with Kirby Templin from the city of Shakopee about the issue. When the Fulfillment Center was built, they were not able to infiltrate stormwater because of bedrock close to the surface. The stormwater plan was to use filtration. The stormwater flows to a culvert under TH 101 and into the park and burial mounds. The city has tried some temporary measures to diffuse and spread the flow of water from the culvert and is looking for a more permanent solution. A long term solutions that the City has looked at are expensive, because it will require completely re-routing the flow of stormwater from the site, under the Highway and around the burial mounds. The City has applied for a grant from the MN Historical Society as assist with paying for a long term solution. They are hoping to be able to correct the situation in 2019.

v. City of Eagan - Comprehensive Plan & Local Water Management Plan

The LMRWD received the Comprehensive Plan from the city of Eagan in June and has now received the Local Surface Water Management Plan on September 7th. Staff is reviewing both plans for conformance with the LMRWD standards.

vi. City of Savage - Magellan Pipeline Project

The LMRWD received an application for a water appropriation permit for a project that would impact Savage fen. The project was to inspect, maintain and repair a gas pipeline that runs through the fen. LMRWD staff reviewed the application and provided comments. The DNR issued a permit and the LMRWD was invited to attend an inspection of the project by the DNR. LMRWD attended and a report of what was found during the inspection is attached. LMRWD staff also inspected the site after all work was complete and the contractor left the area. A report of that visit is attached as well, along with pictures.

Attachments

MPCA Notice of Corrective Action
Pictures of areas that need corrective action
LMRWD report from Magellan pipeline visit
LMRWD report from post inspection
pictures of restorative measure

Recommended Action

Staff is recommending that the LMRWD inspect the CSAH 61/Flying Cloud Drive construction site to make our own assessment

Leslie Stovring

From: Kepler, Rachel (MPCA) <rachel.kepler@state.mn.us>
Sent: Monday, July 30, 2018 9:52 AM
To: james.grube@hennepin.us; alexcarlin@amesco.com
Cc: Skancke, Jennie (DNR); Leslie Stovring; john.smyth@stantec.com; Chip Hentges; vstrong@ci.chanhassen.mn.us; nathanbren@amesco.com; elliotthyren@amesco.com; zachschrupp@amesco.com; Delbecq, Amy (MPCA)
Subject: NPDES Construction Stormwater Inspection - CSAH 61 Flying Cloud Drive
Attachments: WetlandsLocation.pdf



Minnesota Pollution Control Agency Construction Stormwater Inspection Report

Construction Stormwater Permit – C00044045

Site Name – CSAH 61- Flying Cloud Drive

Dear Messer Grude and Carlin,

On July 19, 2018, the Minnesota Pollution Control Agency (MPCA) completed a construction stormwater inspection of the CSAH 61 Flying Cloud Drive (Site) located in Eden Prairie, Minnesota. The purpose of the inspection was to determine compliance with federal regulations, state statutes, rules, and permit conditions. Based on the inspection, the following corrective actions and document submittals must be completed within the specific timeframes noted.

Corrective Actions Required:

Take photos of all corrective actions once they have been implemented, and submit the photos no later than August 3, 2018. Please send all photo documentation to Rachel Kepler at rachel.kepler@state.mn.us.

1. Stabilize the normal wetted perimeter of any temporary or permanent drainage ditch within 200 lineal feet from the property edge in the following location: the western end of the Site on the northern side of the Site.
2. Install additional upgradient sediment control practices or redundant BMPs at locations where the down gradient sediment controls are overloaded (based on frequent failure or excessive maintenance requirement), to eliminate overloading at numerous locations mainly on the south west side of the Site.
3. Maintain and clean the inlet protection in the following location: The intersection of Dell Rd and Flying Cloud Rd, one on the northern side of Dell Rd and two on the southern side of Dell Rd and the manhole on the north side of Flying cloud Drive, east of Riley Creek, on the west side of the first driveway east of the bridge.
4. Stabilize the normal wetted perimeter of any temporary or permanent drainage ditch that drains water from any portion of the construction site from the point of discharge into any surface water in the following location: the north east side of the bridge being built on Flying Cloud Drive.
5. Remove sediment from the impacted wetland and the area stabilized within 7 days, unless precluded by legal, regulatory, or physical access constraints. The Permittees are responsible for contacting all local, regional, state and federal authorities and receiving any applicable permits prior to conducting any work. Contact the local [Wetland Conservation Act](#) (WCA) authority and report the impacts to the wetlands, and provide documentation of this to the MPCA. If the local WCA authority determines removal is not recommended, provide documentation to the

MPCA. If removal results in exposed soils, those soils must be stabilized using appropriate BMPs and an appropriate native wetland seed mix. The Permittee(s) shall use all reasonable efforts to obtain access. Care should be taken so that sediment removal does not result in more damage to the wetland. There are numerous locations along the south side of the Site that need attention. In addition, several areas within Rice Lake may have been impacted by sediment discharges from the Site, but due to the high water level at the Site, the extent of impacts was unclear.

6. Repair and maintain all BMP's that are ineffective due to high water levels or are overloaded with sediment (more than half the height of the silt fence).
7. Install redundant sediment controls at the bridge at Riley Creek and at numerous locations along wetlands where surface waters are located within 50 feet of the project's earth disturbances.
8. Stabilize exposed soils at the Site that will not be worked in the next 7 days, including at the northwest corner of the Site and at the sand pit on the north side of Flying Cloud Dr. about half a mile east of Lions Tap.
9. Install perimeter control downgradient of exposed soils at the soil borrow pits west of the Lions Tap.
10. Ensure that all deficient BMPs are recorded in every inspection report, and ensure that the date the item is corrected is included in the inspection report.
11. Ensure that the trained individual is performing and recording the findings of all stormwater inspection reports.

Request for Information:

Submit the requested documentation no later than August 3, 2018. Please send all document requests to Rachel Kepler at rachel.kepler@state.mn.us.

1. Submit training documentation for Nathan Goulet and Elliott Young.
2. Submit the SWPPP for the Site.
3. Submit all inspection reports completed since June 1, 2018.

I also attached a PDF of wetland locations with GPS coordinates that need attention.

If you have any questions or concerns about the inspection please contact me at 507-344-5266 or rachel.kepler@state.mn.us.

Thank you,

Rachel Kepler

Environmental Specialist | Municipal Division
Minnesota Pollution Control Agency
12 Civic Center Plaza #2165 | Mankato | 56001
507-344-5266 | www.pca.state.mn.us



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Sheet 265

Sheet 266

Sheet 267

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Sheet 269

Sheet 262

Wetlands requiring attention

44°48'49.77, - 93°31'53.80



44°48'59.71, - 93°31'22.00



07/19/2018



07/19/2018

44°49'10.63, - 93°30'29.53



44°49'8.25, - 93°30'36.85



07/19/2018

07/19/2018

44°49'9.74, - 93°30'3.05



44°49'9.79, -93°30'2.25



44°49'9.89, - 93°29'58.70



07/19/2018

44°49'4.77, - 93°28'27.10



44°49'4.67, - 93°28'19.63



Memorandum



DATE: August 28, 2018 *(Email transmittal)*

TO: Linda Loomis, Administrator

FROM: Gary Gilbert, PE

SUBJECT: August 27, 2018—Field Notes—Magellan R-2 Dig Site Project
Scott County—Savage Fen
Weather—low 80s and overcast

ON-SITE

Gary Gilbert—Young Environmental (0830–1200)
Ferguson Brothers Excavating, Inc.—Alexandria, Minnesota: Crew Chief Mike and crew of five laborers
Equipment—CAT Excavator 315C and CAT Skid Loader 289D
Welcome Resources, Inc.—Pipeline Examiners: Rory and Brandon
Frontier Integrity—Pipeline inspectors: Luke and Phil
Dan Scollan—MN DNR (0900–1030)
Karen Wold—Barr (0900–1030)

PURPOSE

- To meet Magellan’s engineer and contractors and the Minnesota DNR’s representatives
- To discuss construction activities and project schedule and to make certain the work will be completed in accordance with the DNR-approved plan with minimal disturbance to Savage Fen

ACTIVITIES

- I discussed the project with Mike (Ferguson crew chief), Karen (Barr), and Dan (DNR).
- Wetland mats were installed last week, and excavation of the piping started at approximately 0900.
- A slight variance to the plan was noted that Ferguson moved the dewatering structure closer to the excavation area and only installed one row of mats that combined the piping access route and the access to the dewatering structure. I discussed the variance with Dan and Karen and thought it was an acceptable plan modification because it reduced the footprint of the matted area, which subsequently minimized the impact to Savage Fen.

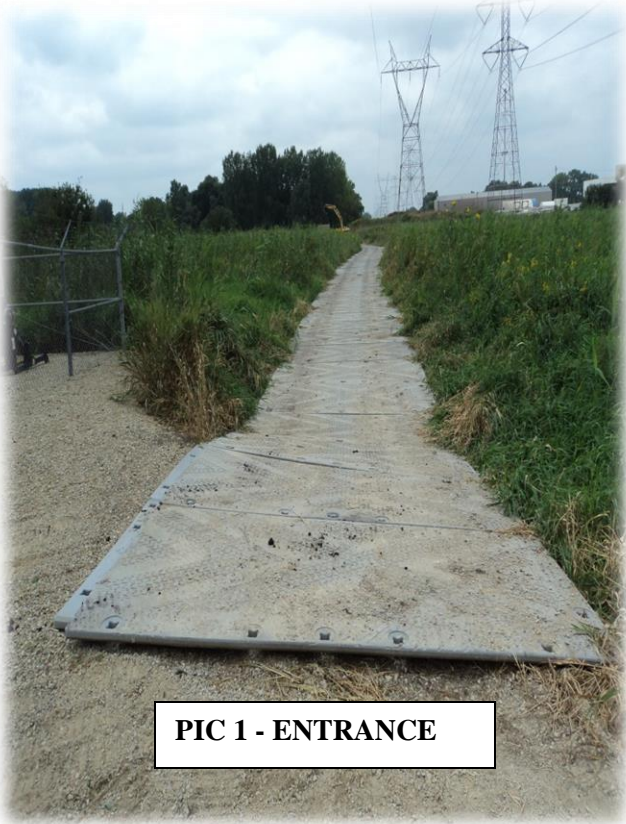
Memorandum *(cont'd)*

Page 2

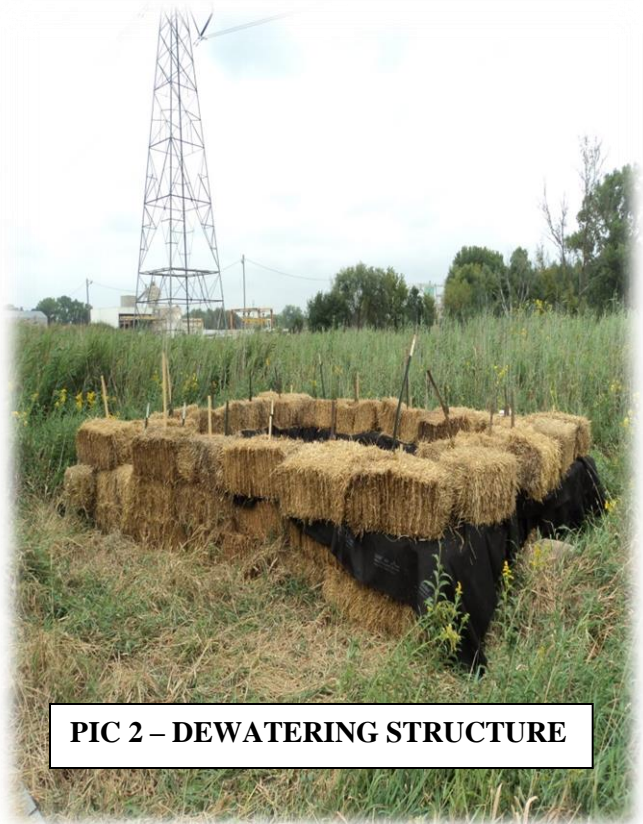
NEXT STEPS

Construction activities are slated to end the afternoon of Thursday, August 30, or the morning of Friday, August 31. I plan to visit the site to inspect it and ensure all the construction material is removed, and the site is effectively buttoned up.

MAGELLAN DIG SITE R-2 / SCOTT COUNTY / AUGUST 27, 2018



PIC 1 - ENTRANCE



PIC 2 - DEWATERING STRUCTURE



PIC 3 - EXCAVATION/SOIL PILE AREA



PIC 4 - INSTALLING TRENCH BOX OVER PIPELINE

Memorandum



DATE: August 31, 2018 *(Email transmittal)*

TO: Linda Loomis, Administrator

FROM: Gary Gilbert, PE

SUBJECT: August 30, 2018—Field Notes—Magellan R-2 Dig Site Project
Scott County—Savage Fen
Weather—low 70s and partly cloudy

ON-SITE

Gary Gilbert: Young Environmental (1330–1430)
Ferguson Brothers Excavating, Inc.: Alexandria, Minnesota

PURPOSE

- To inspect project completion and removal of all construction materials from the Savage Fen area.

ACTIVITIES/OBSERVATIONS

- Contractor has removed construction material from the fen area and is loading material from project area in preparation for departure from the site.
- Project has been completed and contractor plans to be off-site this afternoon.
- Walked and photographed the construction area and did not observe any remaining construction material within the fen area.

SUMMARY

Contractor did an excellent job in minimizing the overall impact to the fen during project activities.

Attachments: August 30, 2018 - R-2 Dig Site Photos

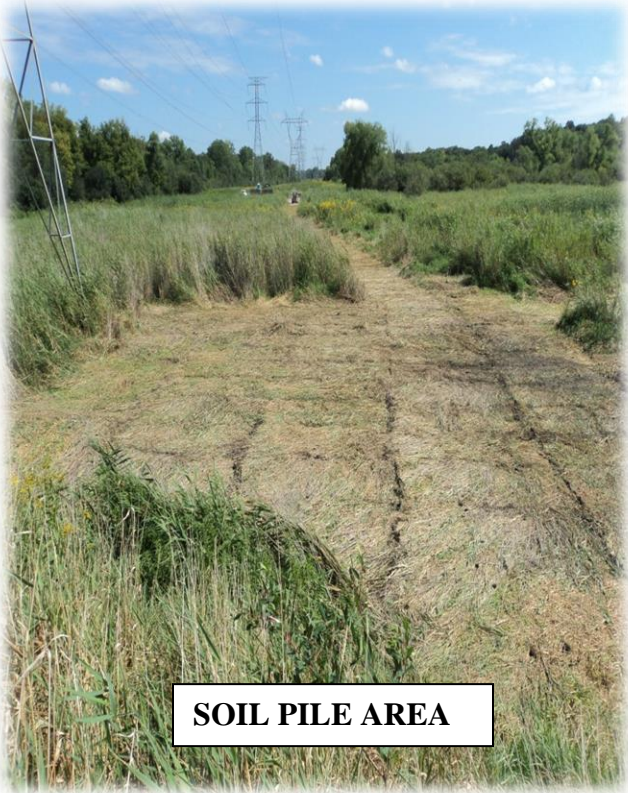
MAGELLAN DIG SITE R-2 / SCOTT COUNTY / AUGUST 30, 2018



LOCATION



PIEZOMETERS



SOIL PILE AREA



EXCAVATION AREA