



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, June 20, 2024

Agenda Item

Item 6. D. – 2024 T2 North Expansion (LMRWD No. 2024-006)

Prepared By

Linda Loomis, Administrator

Summary

This is a project planned by the Metropolitan Airport Commission (MAC) to expand Terminal 2 at the Minneapolis/St. Paul Airport. Young Environmental Consulting Group (YECG) reviewed the application and supporting documentation on behalf of the LMRWD. Some previous permits submitted by MAC for the MSP were broken into phases, because of the complexity of the project and time constraints that would be placed on the MAC to get the complete projects permitted before commencement of the project. Rather than phase projects and coming back to the Board of Managers for amendments to the permits, project will now be segmented into types of activities. Permits granted under this scenario will include restrictions on subsequent activities, thus allowing the LMRWD to review those activities and permit them separately.

The recommendations made by YECG are contained in Technical Memorandum – 2024 T2 North Expansion (LMRWD No. 2024-006) dated June 13, 2024.

Attachments

Technical Memorandum - Technical Memorandum – 2024 T2 North Expansion (LMRWD No. 2024-006) dated June 13, 2024

Recommended Action

Motion to approve a LMRWD Rule B permit for 2024 T2 North Expansion (LMRWD No. 2024-006) contingent upon the receipt of the following: final construction plans signed by a professional engineer and an executed maintenance agreement.

Technical Memorandum



To: Linda Loomis, Administrator
Lower Minnesota River Watershed District (LMRWD)

From: Rachel Kapsch, Water Resources Scientist
Hannah LeClaire, PE, Water Resources Engineer

Date: June 13, 2024

Re: 2024 T2 North Expansion (LMRWD No. 2024-006)

The Metropolitan Airports Commission (MAC) has applied for an individual project permit from the LMRWD to begin the Terminal 2 (T2) North Expansion Project.

The 2024 T2 North Expansion Project (T2 North) is located on the west-southwest side of the Minneapolis–Saint Paul (MSP) International Airport (Figure 1). The applicant’s engineer, Kimley-Horn and Associates, Inc. (Kimley-Horn), has submitted the permit application, associated application exhibits, and construction plans for the T2 North project.

The T2 North project is a multi-year project that will result in the overall expansion of Terminal 2 at the MSP International Airport. This project proposes construction of terminal expansion; concrete apron pavement work; pavement replacement; utility and parking lot replacement; and landscaping. The project proposes 9.3 acres of disturbance. There are currently 15.7 acres of impervious surfaces, and the area of new and reconstructed impervious surfaces totals 15.4 acres. The project proposes construction between June 2024 and December 2026. The project is not located within a High Value Resource Area, Steep Slopes Overlay District, or 100-year floodplain of the Minnesota River. The project triggers LMRWD Rule B—Erosion and Sediment Control and Rule D—Stormwater Management. Because MAC does not have their municipal permit, the project requires an LMRWD individual project permit.

After a meeting with the applicant on June 4, 2024, to discuss the project, time constraints for construction scheduling became apparent. In previous permit applications with similar time constraints, permits have been issued in phases, allowing the applicant to begin initial site preparation activities and mass grading ahead of the impervious surface construction and stormwater management approvals under Rule D. Because of the applicant’s concerns regarding the construction schedule, the LMRWD segregated the permit review to focus on the initial site preparation activities and mass grading activities (Rule B). The initial permit will explicitly prohibit the construction of impervious surfaces and stormwater management facilities until LMRWD staff can confirm the project meets all the requirements for Rule D. The applicant will be required to provide updated stormwater treatment calculations to obtain a permit amendment that includes the construction of impervious surfaces planned for summer 2024.

SUMMARY

Project Name:

2024 T2 North Expansion Project

Purpose:

Building, pavement installation and replacement, and landscaping.

Project Size:

Area Disturbed	Existing Impervious Area	Proposed Impervious Area	Net Increase Impervious Area
9.3 acres	15.7 acres	31.1 acres	15.4 acres

Location:

Terminal 2, Minneapolis-Saint Paul (MSP) International Airport, Minneapolis, MN 55450

LMRWD Rules:

Rule B – Erosion and Sediment Control
 Rule D – Stormwater Management

Recommended Board Action:

Approval of Rule B (initial site preparation activities and mass grading only)

DISCUSSION

The LMRWD received the following documents for review:

- LMRWD online permit application; received February 28, 2024.
- T2 North Project Bid Sets (dated February 12, 2024), MSP Drainage Areas (dated June 2021), and LMRWD Construction Permit Application Narrative (dated February 28, 2024) by Kimley-Horn; received February 28, 2024.
- The following exhibits were submitted by Kimley-Horn on March 19, 2024:
 - Revised LMRWD Construction Permit Application Narrative, dated March 20, 2024.
 - MSP Property Inventory Map, dated December 9, 2015.
 - MSP International Airport T2 North Expansion Pond 1, dated March 19, 2024.
 - MSP International Airport T2 North Expansion Drainage Areas, dated March 12, 2024.
 - NPDES Permit MN0065404, issued May 29, 2024; expired April 30, 2019.
 - Section 32 92 19 Native Grasses and Forbs Planting, dated February 12, 2024.
 - Geotechnical Report, dated February 12, 2024.
 - T2 North Existing Conditions MIDS Model, dated March 19, 2024.
 - T2 North Proposed Conditions MIDS Model, dated March 19, 2024.
 - Draft Maintenance Agreement.
- The following exhibits were submitted by Kimley-Horn on April 10, 2024:
 - MSP Terminal 2 North Expansion Stormwater Management Summary, dated April 10, 2024.
 - XPSWMM model.
 - P8 model.
 - CAD files.

- The following exhibits were submitted by Kimley-Horn on May 6, 2024:
 - Updated T2N Narrative, dated May 6, 2024.
 - NPDES Permit MN0002101, issued April 5, 2013; expired March 31, 2018.
 - MSP International Airport 2001 Runway 17-35 Trunk Storm Sewer, PH3 Grading Final - MAC Pond #1, dated December 28, 2000.
 - 2001 Runway 17-35 Trunk Storm Sewer Phase III - Water Quality Ponds, dated April 2, 2001.
 - Pond 1 Piping Detail, dated September 2021.
 - MSP International Airport 2001 Runway 17-35 Trunk Storm Sewer, PH3 - MAC Pond #1 Intake Structure, dated April 2, 2001.
 - Pond Sediment Inspection Results and Notes.
 - NPDES Stormwater Pond Maintenance Factsheet, dated January 2022.
 - MSP International Airport Hydrologic/Hydraulic/Water Quality Models- 2024 Status Update, dated May 2, 2024.
 - MSP International Airport Terminal 2 North Expansion Drainage Area Map – Proposed Conditions.
 - MSP International Airport Terminal 2 North Expansion Drainage Area Map – Existing Conditions.
- Revised Permit Application by Kimley-Horn; received May 13, 2024.
- Revised Stormwater Pollution Prevention Plan (SWPPP) by Kimley-Horn; received June 5, 2024.

The application was deemed complete on June 5, 2024, and the documents received provide the minimum information necessary for a Rule B permit review.

Rule B – Erosion and Sediment Control

The LMRWD regulates land-disturbing activities that affect one or more acres under Rule B. The proposed project would disturb approximately 9.3 acres within the LMRWD boundary. The applicant has provided a SWPPP. Temporary erosion and sediment control measures include storm drain inlet protection, silt fences, construction entrance/exits, and sediment control log (woodchip). Disturbed areas are to be seeded. The contractor and individuals responsible and liable for the inspection and maintenance of erosion and sediment control features are:

Contractor(s):

Mike Van Handel – Max Steininger, Inc., 651-454-6620, mike@maxsteininger.net

Rich Haukos – RJ Mechanical, Inc., 320-364-5832, rich@rjmechanical.biz

Gary Stommel – Hunt Electric Corporation, 612-490-0447, gstommel@huntelec.com

Tyler Schuler – Peterson Companies, Inc., 651-257-0326, tschuler@petersoncompanies.net

Erosion and Sediment Control:

Gage Grams – Morcon Construction, 763-546-6066, ggrams@morcon.com

The project complies with Rule B.

Recommendations

The applicant has made it clear that time is of the essence for the project. Therefore, staff recommend conditional approval of a Rule B permit, meaning the applicant can begin conducting initial site preparation activities and mass grading only. Conditional approval is granted with the stipulation that the permit applicant will submit the following:

- Final construction plans signed by a professional engineer.
- Executed maintenance agreement.

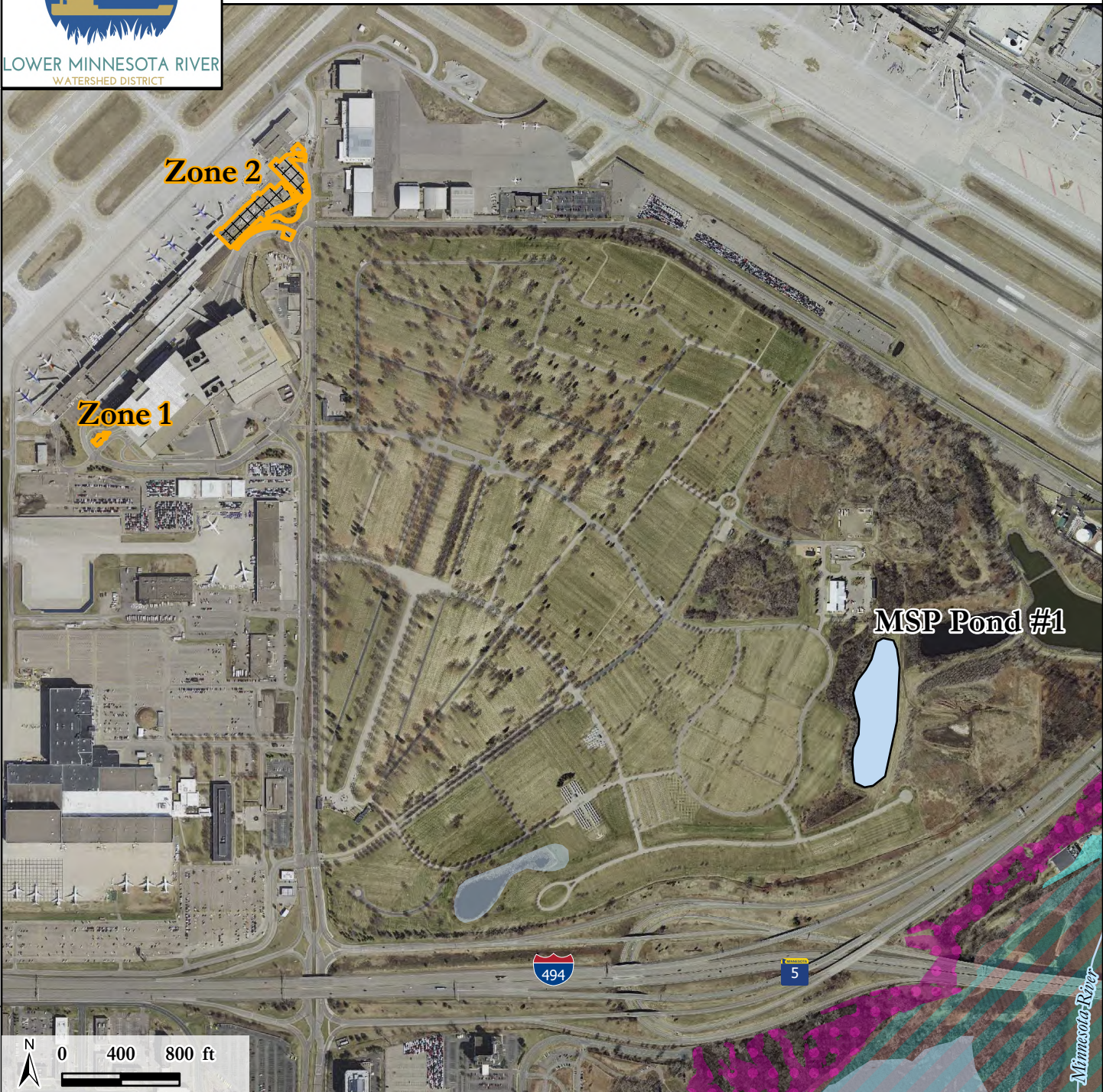
As discussed, this permit allows the applicant to begin work on the initial site preparation activities and mass grading; however, it does not allow for the construction of any new impervious surface. Staff recommends the applicant and the LMRWD continue to work together to ensure the stormwater management system complies with LMRWD Rule D. The LMRWD met with Kimley-Horn, TKDA, H+U Construction, and MAC Staff on June 4, 2024, to discuss additional items required to comply with LMRWD Rule D. A permit amendment will be required to construct impervious surfaces and stormwater management best management practices (BMPs).

Attachments

- Figure 1—2024 T2 North Expansion Project Location (LMRWD 2024-006)
- Figure 2—2024 T2 North Expansion Zone #1
- Figure 3—2024 T2 North Expansion Zone #2



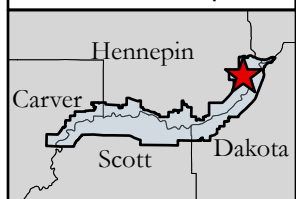
Figure I: 2024 T2 North Expansion Project Location
LMRWD No. 2024-006



Legend

- Proposed Expansion Zones
- MSP Pond #1
- Public Waterbodies
- Steep Slope Overlay District
- 100-yr Floodplain
- Floodway
- Public Waters

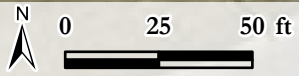
LMRWD Watershed Location Map




Projects\LMRWD\Project Reviews\02 In Process\2024-06 2024T2 North Expansion\04 GIS



Figure 2: 2024 T2 North Expansion Zone #1
LMRWD No. 2024-006



Legend

 Proposed Impervious

LMRWD Watershed Location Map

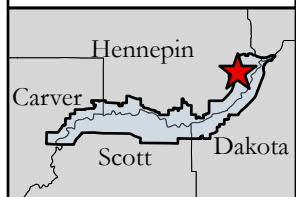





Figure 3: 2024 T2 North Expansion Zone #2
LMRWD No. 2024-006



Legend

 Proposed Impervious

LMRWD Watershed
Location Map

