



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. E. – Lower Lyndale Avenue Road Project (LMRWD No. 2024-010)

Prepared By

Linda Loomis, Administrator

Summary

This is a project proposed by the City of Bloomington that requires a Rule C – Floodplain and Drainage Alteration permit. Young Environmental Consulting Group (YECG) has reviewed the application and the supporting documents. The details of their review and recommendations can be found in the attached Technical Memorandum – Lower Lyndale Avenue Road Project (LMRWD No. 2024-010) dated June 12, 2024. The Technical Memorandum also provides an explanation as to why a Rule C permit from the LMRWD is required.

YECG recommends conditional approval of a permit for the Lower Lyndale Avenue Road Project upon receipt of a copy of the NPDES construction stormwater permit, contact information for the contractor(s) and contact information for the person(s) responsible for the inspection and maintenance of erosion and sediment control. It is also recommended that the permit have the following stipulation: Work may not begin within the USFWS parking lot until the final construction plans and final MOU have been submitted and the LMRWD has determined that are in accordance with the proposed cut and fill exhibits in the permit application.

Attachments

Technical Memorandum - Technical Memorandum – Lower Lyndale Avenue Road Project (LMRWD No. 2024-010) dated June 13, 2024

Recommended Action

Motion to approve a LMRWD Rule C for the Lower Lyndale Avenue Road Project contingent upon receipt of a copy of the NPDES construction stormwater permit, contact information for the contractor(s) and contact information for the person(s) responsible for the inspection and maintenance of erosion and sediment control with the stipulation that work may not begin within the USFWS parking lot until the final construction plans and final MOU have been submitted and the LMRWD has determined that are in accordance with the proposed cut and fill exhibits in the permit application

Technical Memorandum



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

From: Erica Bock, Water Resources Scientist
Hannah LeClaire, PE, Water Resources Engineer

Date: June 12, 2024

Re: Lower Lyndale Avenue Road Project (LMRWD No. 2024-010)

The City of Bloomington (City) has applied for an individual project permit from the Lower Minnesota River Watershed District (LMRWD) for the road reconstruction of Lyndale Avenue South, south of Lyndale Bluffs Trail to the United States Fish and Wildlife Service (USFWS) boat ramp parking lot at the south terminus of Lyndale Avenue South (Figure 1). The City has a LMRWD Municipal Permit, except for projects that trigger Rule C—Floodplain and Drainage Alteration. Therefore, because the project will occur within the floodplain, it requires an individual project permit. The City has submitted the permit application, associated application exhibits, and site plans for the Lower Lyndale Avenue road reconstruction project.

The project proposes to disturb 9.67 acres and will result in 4.63 acres of new and reconstructed impervious area. Stormwater management measures required for the new and reconstructed areas are under review by the City under its municipal permit. The project proposes road reconstruction and parking lot reconfiguration at the boat launch at the south end of Lyndale Avenue. The parking lot at the south end of the project is owned by USFWS. The LMRWD will permit the 5.7 acres of the project, located within the Minnesota River 100-year floodplain. The project proposes 2,601 cubic yards (cy) of cut and 1,349 cy of fill, resulting in 1,252 cy of net cut. The applicant proposed to begin work in May 2024 with work in the floodplain not beginning until June 2024. Work within the floodplain will not begin until the LMRWD permit is issued. The project is anticipated to be completed by October 31, 2024.

SUMMARY

Project Name:

Lower Lyndale Avenue Road Reconstruction

Purpose:

Road reconstruction and parking lot reconfiguration.

Project Size:

Area Disturbed	Cut (cubic yards)	Fill (cubic yards)	Net Change (cubic yards)
9.67 acres	2,601	1,349	1,252 cut

Location:

Lyndale Avenue South, south of Lyndale Bluffs Trail to the Minnesota River boat ramp.

LMRWD Rules:

Rule C – Floodplain and Drainage Alteration

Recommended Board Action:

Conditional approval

DISCUSSION

The LMRWD received the following documents for review:

- LMRWD online permit application, received March 29, 2024.
- LMRWD Permit Narrative by the City of Bloomington, dated March 22, 2024; received March 29, 2024.
- 90% Construction Plans by the City of Bloomington, dated March 4, 2024; received March 29, 2024.
- Wetland Conservation Act Notice of Application by City of Bloomington, dated April 12, 2024; received April 12, 2024.
- Wetland Conservation Act Notice of Decision by City of Bloomington, dated April 22, 2024; received April 24, 2024.
- Draft Memorandum of Understanding with United States Fish and Wildlife Service, by the City of Bloomington, no date, received April 16, 2024.
- No-Rise Certification by the City of Bloomington, dated May 28, 2024; received May 28, 2024.
- Cut and fill exhibits by the City of Bloomington, no date, received April 16, 2024.
- Standard Specification for Construction; received April 16, 2024.
- Revised Stormwater Pollution Prevention Plan (SWPPP) by the City of Bloomington, no date; received April 16, 2024.
- 100% Plans Construction Plans by the City of Bloomington, dated March 4; received May 17, 2024.
- HEC-RAS Exhibit by the City of Bloomington, no date; received May 17, 2024.
- HEC-RAS Model by the City of Bloomington; received May 17, 2024.

The application was deemed complete on May 28, 2024, and the documents received provide the minimum information necessary for permit review.

Rule C – Floodplain and Drainage Alteration

The LMRWD requires the applicant to provide documentation that the proposed floodplain fill will not cause an increase in 100-year water surface elevations. The project is located within the Minnesota River 100-year floodplain, as shown on the Flood Insurance Rate Map (FIRM) Panel 27053C0466F, effective November 4, 2016. The project proposes 2,601 cy of cut and 1,349 cy of fill, resulting in 1,252 cy of net cut. The project proposes to reduce the two lanes of traffic in both directions on Lyndale Avenue South to one lane in each direction with a shared bike lane/shoulder. The road surface and underlying subgrade have deteriorated, with groundwater flowing over the road surface in several locations. The proposed work will correct the settlement and subgrade deficiencies, improve subgrade drainage, reconfigure the road to accommodate the bike lane and shoulders, and flatten side slopes to 3:1 to reduce erosion and improve safety. The project is expected to be completed by October 31, 2024.

The applicant submitted an overview map showing the cut and fill within the Minnesota River 100-year floodplain in addition to a signed no-rise certification and HEC-RAS modeling. The HEC-RAS model submitted includes alterations in the floodplain resulting from the project and shows no change in the 100-year water surface elevation.

An erosion and sediment control plan is required to comply with Rule C. The applicant has submitted an acceptable erosion and sediment control plan for the project, which includes silt fence, sediment control logs, floating silt curtain, erosion control blanket, and construction entrances and exits. The project generally complies with Rule C; however, a National Pollutant Discharge Elimination System (NPDES) permit, contact information for the contractor, and person responsible for inspection and maintenance of all erosion and sediment control features are required before the LMRWD can issue a permit.

The final Memorandum of Understanding (MOU) with USFWS for work within the parking lot is required before work can begin in that portion of the project.

Recommendations

Based on review of the project, we recommend conditional approval of the project for work outside of the USFWS parking lot contingent on the receipt of the following:

- Copy of the NPDES construction stormwater permit.
- Contact information for the contractor(s).
- Contact information for the person(s) responsible for the inspection and maintenance of erosion and sediment control.

The project permit will have the following stipulation:

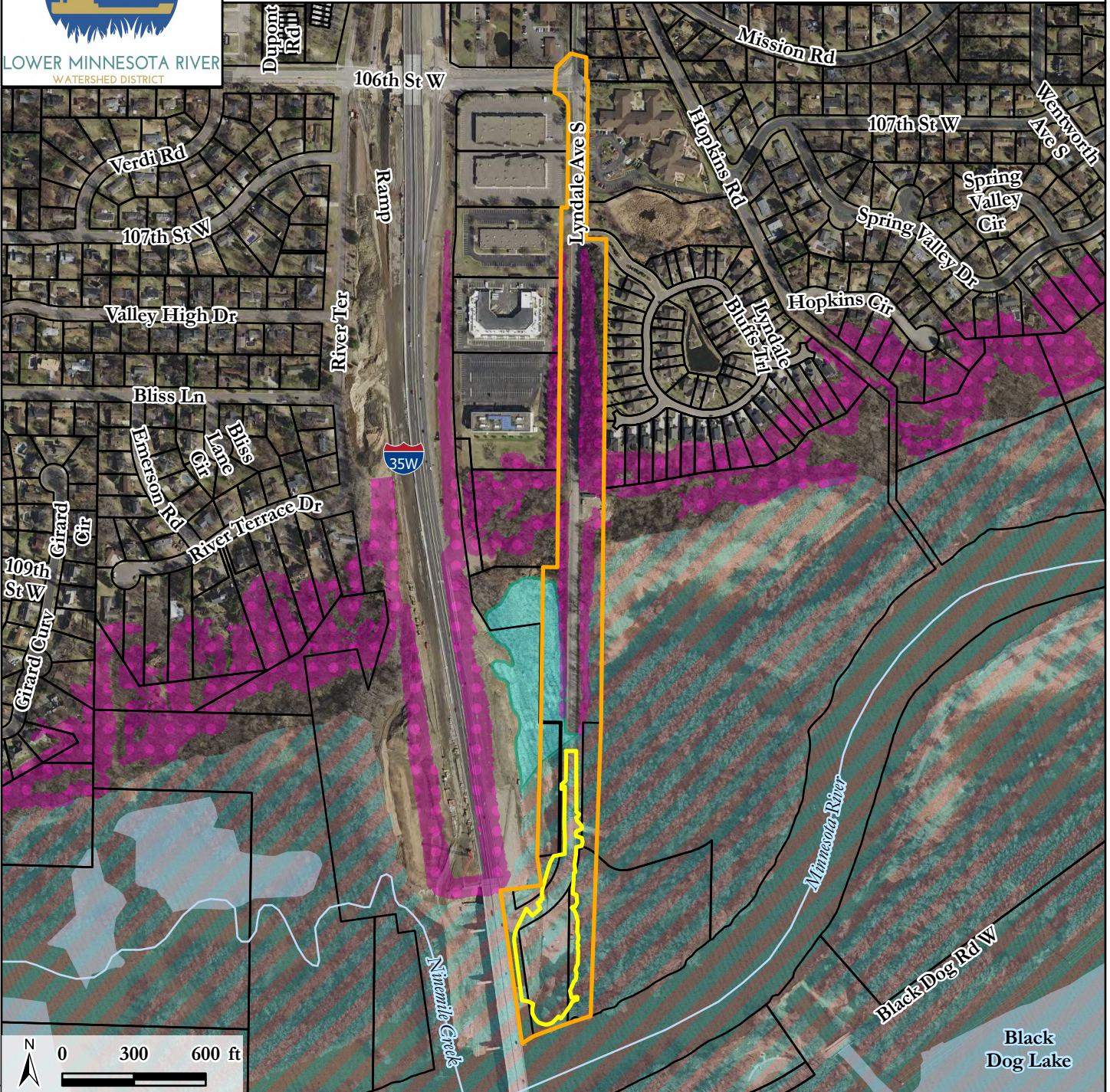
- **Work may not begin within the USFWS parking lot until the final construction plans and final MOU have been submitted and the LMRWD has determined they are in accordance with the proposed cut and fill exhibits in the permit application.**

Attachments

- Figure 1—Lyndale Avenue Road Project Location Map



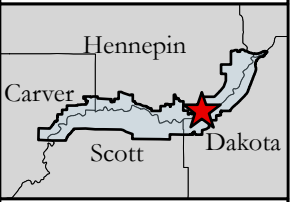
Figure I: Lydnale Avenue Project Location
LMRWD No. 2024-010



Legend

- Project Location Permitted by LMRWD
- Project Limits
- Public Waters
- Parcels
- Public Waterbodies
- Steep Slope Overlay District
- 100-yr Floodplain
- Floodway

LMRWD Watershed Location Map



Projects\LMRWD\Project Reviews\02 In Process\2024-010 Lydnale Road\04 GIS