

Stormwater Management Report

Mankato Wrestling Facility
Mankato, Minnesota

June 24, 2025

Project No. 25-32225



Architecture
Engineering
Environmental
Planning
ISGInc.com

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SIGNATURE SHEET

I HEREBY CERTIFY THAT THESE CALCULATIONS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

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Mankato Wrestling Facility
Mankato, MN

Engineer's Project Number: 25-32225

Dated this 24th day of June 2025

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INTRODUCTION

This stormwater management report was prepared to facilitate improvements for a Wrestling Facility in Mankato, MN. The project site includes three parcels west of 2nd Avenue, north of Maxfield Street, and south of Spruce Street. Together, the three parcels are 0.72 acres. The development will have access on Spruce Street and 2nd Avenue. The improvements will include grading, underground utility installation, curb and gutter, and pavement surfacing.

Given that the project will not disturb more than one acre of land, a NPDES Construction Stormwater Permit will not be required.

DRAINAGE CONDITIONS

Existing Site

The northern two parcels were formerly Mac's Bar before it's demolition after a fire caused severe damage to the building. Since then, it has been an undeveloped property. The southern parcel is a single-family home. The parcel originally had 0.38 acres of impervious.

The three parcels generally sloped from north to south with stormwater discharging to the adjacent public streets and alley. There is no storm sewer on the property and or in the public right of way adjacent to the property. The former Mac's Bar impervious area received stormwater and was directly connected to the public right of way.

Proposed Site

The proposed project will provide traffic circulation and parking for a wrestling facility and supporting utilities. The project will result in an impervious area of 0.48 acres.

The proposed building will be located on the west side of the site and the parking lot will be sloped to the east. The stormwater will flow through the grass boulevard prior to discharging into the public right of way. This is consistent with the existing drainage pattern.

CONCLUSION

The proposed project doesn't require a NPDES Construction Stormwater permit. The proposed project follows the existing drainage patterns and discharges to the public storm sewer system via overland flow. The proposed project is directing the majority of it's stormwater through a pervious area prior to discharging to the public right of way, unlike the pervious development at the property.

Appendix A: Existing + Proposed Condition Drainage Maps

Appendix B: Basin Calculations