MEETING DATE: March 23, 2020
AGENDA NUMBER: 12
FILE NUMBER: 19-230
ITEM: CSAH 8 Improvements

RECOMMENDATION: Approve with 2 Conditions and 1 Stipulations

APPLICANT: Anoka County Highway Department
2100 3rd Ave
Anoka, MN 55303

PURPOSE: 0.96 miles of roadway improvements

LOCATION: Osborne Rd, from University Ave to Central Ave, Spring Lake Park, MN

APPLICABILITY:
1. Within 1 mile of an impaired waters.
2. One or more cumulative acres of land disturbance.
3. High infiltration soils
4. Highly erodible soils
5. Endangered, Threatened or Special concern species, elements or communities

EXHIBITS:
1. Construction Plan set (121 sheets); by Bolton and Menk, dated 02/25/2020, received 02/25/2020.
2. Cover Letter; by Bolton and Menk, dated 02/25/2020, received 02/25/2020.
3. Project Impact Areas Exhibit (2 Sheets); by Bolton and Menk, dated 02/25/2020, received 02/25/2020.
4. MPCA Potential Contamination data (1 Sheet); by Bolton and Menk, dated 02/25/2020, received 02/25/2020.
5. Drainage Calculations; by Bolton and Menk, undated, received 02/25/2020.
6. Watershed Map (1 Sheet); by Bolton and Menk, dated 02/2020, received 02/25/2020.
7. Response to Comments; by Bolton and Menk, dated 03/11/2020, received 03/12/2020.
PREVIOUS ACTION TAKEN: This is a new application.

FINDINGS:

Pre-application Meeting: The project as submitted has received a general review during a pre-application meeting.

Ditches: There is not a public ditch on the property.

Erosion and Sediment Control: Soils affected by the proposal are Lino, Isanti, and Zimmerman.

- Stabilizing vegetation is proposed for disturbed areas within seven (7) days of rough grading.
- Soil stockpiles have been proposed to be fitted with sediment-trapping measures to prevent soil loss and do have a note to stabilize within seven (7) days of inactivity.
- Adjacent properties and stormwater ponds are protected from sediment deposition.
- Construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases have been provided.
- Stormwater runoff does not pass through a sediment basin or other sediment trapping BMP with equal or greater storage capacity and a sediment trapping BMP is not required.
- Stabilization adequate to prevent erosion has been provided at the outlets of all storm sewer pipes. No new storm sewer outlets are proposed.
• All storm sewer inlets are protected from sediment-laden water during construction.
• All work adjacent to water or related resource has taken precautions to contain sediment, and stabilize the work area during construction.
• Provisions have been made to minimize transport of sediment (mud) by runoff or vehicle tracking onto the paved surface.
• Provisions have been made for cleaning road surfaces where sediment is transported by the end of the day.
• Construction entrance points are clearly located on the erosion and sediment control plan.
• The erosion and sediment control plan does provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.
• Details provided for ESC (riprap, perimeter control, concrete washout, inlet protection, etc.)

Dewatering: Shallow ground water does not exist on site. The project does not require dewatering.

Floodplain: There is no floodplain on the property according to the District model and FEMA. The total floodplain impact is 0 acre-feet. Compensatory storage is not needed. There are no flooding concerns upstream and/or downstream.

High Water Flooding: Information has not been provided to substantiate low floor elevations. Low floor elevations are not applicable.

Groundwater: Geotechnical information is not provided.

A portion of the project site is within the 10 Year Well Head Protection Area and Drinking Water Supply Management Area.

The proposal does not contain a land use discouraged or prohibited by the Safe Drinking Water Supply Act (SDSA).

Historic Sites: The proposed project does not include sites of historic or archeological significance.

Local Planning & Zoning The applicant has applied to the City of Spring Lake Park. The City has completed its review of the plans as they pertain to water resources.

The City has no water resource issues or concerns with the project at this time.

The applicant has applied to the City of Fridley. The City has completed its review of the plans as they pertain to water resources.

The City has no water resource issues or concerns with the project at this time.
**Maintenance:** The owner of the Stormwater Management features and treatment practices is Anoka County DOT. The Stormwater Treatment Practices (STPs) consisting of the following:

<table>
<thead>
<tr>
<th>Stormwater Treatment Practices</th>
<th>Number</th>
<th>Inspection &amp; Maintenance Responsibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sumps with SAFL Baffle</td>
<td>3</td>
<td>Anoka County DOT</td>
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</table>

As a requirement of the County’s JPA, the County will inspect and maintain the stormwater facilities.

**Easements:** The proposed project does not include ditch maintenance easement. A ditch maintenance easement is not required. A maintenance access to all storm water management features is not required.

**Stormwater & Hydrology:** Infiltration is allowed within the project area. The 1-inch infiltration achieved to the maximum extent practicable. The stormwater management system utilizes three sump manholes with SAFL Baffle.

Drainage sensitive uses do not exist downstream from the proposed site. The rate of post-development runoff from the site does not exceed predevelopment rates, or rates which would interfere with sensitive downstream land uses. Properties and waterways downstream from the project are protected from erosion due to increases in the volume, velocity and peak water flow rates of stormwater runoff. Concentrated storm water leaving a site is discharged directly into a well-defined natural or man-made off-site receiving channel or pipe. No on-site constructed storm water conveyance channels are proposed as part of the project.

**Water Quality:** The proposed project does not cause an exceedance of State water quality standards. The project does not contribute to the adverse impact of wetlands through inundation or volume of flow. All discharges into wetlands/stormwater basins are pretreated by a sediment basin/water quality pond, and are designed correctly. All work adjacent to wetlands, waterbodies and water conveyance systems are protected from erosion. The proposal will not detrimentally affect the existing water quality of the receiving water. The proposal will not cause extreme fluctuations of water levels or temperature changes.

**Impairments:** This project is within one (1) mile of and drains to an Impaired Water. The Impaired Water is Mississippi River. Mississippi River is impaired for Aquatic Life and Aquatic Recreation. The major stressors are Fecal Coliform and Macroinvertebrate Bioassessments. There is not an EPA approved Total Maximum Daily Load (TMDL) or Waste Load Allocation (WLA) for this water.

There are new or reconstructed impervious surfaces proposed as part of this project.

**Wetlands:** Wetlands do not exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey.
**Wetland Replacement Plan:** A wetland replacement plan has not been submitted and is not required.

**Wildlife:** The proposed project does not include endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors.

**Performance Escrow:** $7,400.00  
**Wetland Escrow:** N/A

There are not ditch liens on the property.

### ISSUES/CONCERNS:

<table>
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<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tbody>
<tr>
<td>Escrows: $2,000 + (10.8 ac * $500/ac = $7,400.00</td>
<td>1. Receipt of escrows.</td>
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<tr>
<td>Maintenance: The 96” diameter sump manhole identified as Node 5021 will remove more than 15,000 pounds of sediment annually based on the SHSAM calculations.</td>
<td>2. Acknowledge that the sump manhole has adequate cleaning scheduled (2-3 times/year). The sump is recommended to be cleaned when the sediment is within 1 foot of the bottom of the baffle</td>
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### RECOMMENDATION:

Approve with 2 Conditions and 1 Stipulations

**Conditions:**

1. Receipt of escrows.
2. Acknowledge that the sump manhole has adequate cleaning scheduled. The sump is recommended to be cleaned when the sediment is within 1 foot of the bottom of the baffle.

**Stipulations:**

1. Submittal of as-builts for structures 5001, 5021, 5059 and proof of installation of SAFL Baffles.