# COON CREEK WATERSHED DISTRICT PERMIT REVIEW

**MEETING DATE:** September 23, 2019  
**AGENDA NUMBER:** 10  
**FILE NUMBER:** 19-164  
**ITEM:** CSAH 14 Shoulder Repair Near Coon Creek Blvd

**RECOMMENDATION:** Approve with 2 Stipulations

**APPLICANT:** Elizabeth Markose, Anoka County  
1440 Bunker Lake Blvd NW  
Andover, MN 55304

**PURPOSE:** 670 ft of Shoulder Narrowing and Repair

**LOCATION:** The CSAH 14 alignment from HWY 10 northbound exit ramp to Coon Creek Blvd, Coon Rapids, Minnesota

![Map of CSAH 14 Hwy 10 to Coon Creek Blvd](image-url)
**APPLICABILITY:**
1. Within 1 mile of an impaired waters.
2. Any work in or adjacent to wetlands, lakes or water courses
3. The lands and waters that have been, or may be covered by the regional flood.
4. High infiltration soils

**EXHIBITS:**
1. Construction Plan set (39 sheets); by Anoka County Highway Dept, dated 9/5/19, received 9/10/19.
2. Geotechnical Report; by Braun Intertec, dated 7/23/2019, received 9/10/19

**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.

**Ditch Hydraulics:** A crossing of the ditch is not proposed.

**Erosion and Sediment Control:** Soils affected by the proposal are Rifle.
- Stabilizing vegetation is not proposed for disturbed areas within seven (7) days of rough grading.
• Soil stockpiles have not been proposed to be fitted with sediment-trapping measures to prevent soil loss and do not have a note to stabilize within seven (7) days of inactivity. Soil stockpiles are not anticipated to be used during construction.
• 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 not been provided.
• 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 not been made to minimize transport of sediment (mud) by runoff or vehicle tracking onto the paved surface.
• Provisions have not been made for cleaning road surfaces where sediment is transported by the end of the day.
• Construction entrance points are not clearly located on the erosion and sediment control plan.
• The erosion and sediment control plan does not 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 floodplain on the property according to the District model and FEMA at 858.4. The project does not propose to place fill within the floodplain.

Groundwater: Geotechnical information collected in (July 2019) indicates long term groundwater elevation is present at 6.5 feet below the surface.

The project site is not within the Emergency Response Area/10 Year Well Head Protection Area/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 proposed project is consistent with local planning and zoning. There is an approved local water plan.
It is unknown whether property owners affected by changes in drainage have been notified or acknowledge the changes proposed.

**Stormwater & Hydrology:** Infiltration is not allowed within the project area. There is no increase in impervious surface and no proposed infiltration practices.

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. All on-site constructed storm water conveyance channels are constructed to withstand the expected velocity from a 2-year frequency storm without erosion.

**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. 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 but does not drains to an Impaired Water. The Impaired Water is Crooked Lake. Crooked Lake is impaired for Aquatic Consumption. The major stressors is Mercury. There is an EPA approved Total Maximum Daily Load (TMDL) but no Waste Load Allocation (WLA) for this water.

There are no new impervious surfaces proposed as part of this project.

**Wetlands:** Wetlands do exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. Wetlands have not been delineated. The wetland boundary has not been checked.

The total proposed wetland impact is 0 sq. ft. Excavation is proposed in the mapped wetland boundaries. This is considered a no-loss.

The applicant does not need to contact the DNR area hydrologist and the Corps of Engineers.

**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.
The applicant has not contacted the MDNR natural heritage or endangered species program and is not required to.

If the project is present, the project does not propose substantial adverse alteration or significant detrimental impact on a species or removal of a plant species will occur.

**Performance Escrow:** $2,350.00  
**Wetland Escrow:** $N/A  
There are not ditch liens on the property.

### ISSUES/CONCERNS:

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<th>ISSUE</th>
<th>NEED</th>
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<tr>
<td>Escrows: $2,000 + (0.7 ac * $500/ac = $2,350.00)</td>
<td>1. Receipt of escrows.</td>
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| **Soils & Erosion Control:** District requires all stabilization vegetation be within seven (7) days of rough grading or inactivity. Construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases have not been provided. | 2. Update construction plans to stabilize vegetation within 7 days of rough grading or inactivity.  
Provide Construction Schedule detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases |
| Provisions have not been made to minimize transport of sediment (mud) by runoff or vehicle tracking onto the paved surface. |  
Provide plan of provisions made to minimize transport of sediment (mud) by runoff or vehicle tracking onto the paved surface |
| Provisions have not been made for cleaning road surfaces where sediment is transported by the end of the day. |  
Provide plan of provisions made to clean road surfaces where sediment is transported by the end of the day |
| Construction entrance points are not clearly located on the erosion and sediment control plan. |  
Update ESC with construction entrance points. |
| The erosion and sediment control plan does not provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices. |  
Update ESC with repair and maintenance plan for temporary and permanent erosion and sediment control practices |

### RECOMMENDATION:
Approve 2 Stipulations  

**Stipulations:**
1. Receipt of escrows.

2. Update erosion control plan to include:
   a. A note to stabilize vegetation within 7 days of rough grading or inactivity.
   b. A construction schedule detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases.
   c. A plan to minimize transport of sediment (mud) by runoff or vehicle tracking onto the paved surface.
   d. A plan to clean road surfaces where sediment is transported by the end of the day.
   e. Updated ESC with construction entrance points clearly marked.
   f. Updated ESC with repair and maintenance plan for temporary and permanent erosion and sediment control practices.