COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: January 27, 2020
AGENDA NUMBER: 8
FILE NUMBER: 20-014
ITEM: Hills of Bunker Lake Trail Reconstruction

RECOMMENDATION: Approve with 4 Conditions and 0 Stipulations

APPLICANT: City of Andover
             Jason Law
             1685 Crosstown Blvd
             Andover, MN 55304

PURPOSE: Reconstruction of existing bituminous trail

LOCATION: Hills of Bunker Lake West Park, Andover

APPLICABILITY:
1. Within 1 mile of an impaired waters.
2. Any work in or adjacent to wetlands, lakes or water courses
3. High water table, outwash and organic soils
4. High infiltration soils
5. Highly erodible soils
6. Endangered, Threatened or Special concern species, elements or communities

**EXHIBITS:**
1. Construction Plan set (23 sheets); by City of Andover, dated 1/13/2020, received 1/15/2020.
2. Project Narrative; by City of Andover, dated 1/13/2020, received 1/15/2020.

**PREVIOUS ACTION TAKEN:** This is a new application.

**FINDINGS:**
**Pre-application Meeting:** The project as submitted has not 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 Isanti and Zimmerman.
• Stabilizing vegetation is 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.
• 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 is not needed.
• Stabilization adequate to prevent erosion has been provided at the outlets of all storm sewer pipes.
• 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 not clearly located on the erosion and sediment control plan and are not required for the proposed project.
• The erosion and sediment control plan does provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.
• Details not provided for ESC (riprap, perimeter control, concrete washout, inlet protection, etc.)

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

Floodplain: There is no floodplain on the property according to the District model and FEMA.

Groundwater: Geotechnical information is not required for the proposed project.

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.

Property owners affected by changes in drainage have not been notified or acknowledged the changes proposed.

Maintenance: There are no proposed Stormwater Management features or treatment practices for this project.

Stormwater & Hydrology: Infiltration is allowed within the project area. The 1-inch infiltration is achieved via overland flow.

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. No increases in the volume, velocity and peak water flow rates of stormwater runoff are anticipated as part of the project. No concentrated storm water anticipated as part of the project. 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 via overland flow. 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 Coon Creek. Coon Creek is impaired for (Aquatic Life (Macro-invertebrates)/ Aquatic Recreation (E. coli). The major stressors are Total Suspended Solids (TSS)/ Total Phosphorus (TP)/E.coli. There is an EPA approved Total Maximum Daily Load (TMDL) or Waste Load Allocation (WLA) for this water.

There are 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 and a delineation is not required. LiDAR and aerial review indicate upland.

Wetland Replacement Plan: A wetland replacement plan has not been submitted and is not required.
Wildlife: The proposed project may 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.

**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>
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<tr>
<td>Escrows: $2,000 + (0.7 ac * $500/ac = $2,350.00</td>
<td>1. Receipt of escrow</td>
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| Soils & Erosion Control: 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. Details not provided for ESC (riprap, perimeter control, concrete washout, inlet protection, etc.) | 2. Provide statement and location on construction plans regarding soil stockpile sediment trapping measures as well as a note to stabilize within 7 days.  
3. Provide details for erosion and sediment control practices. |
| Wetlands: Wetlands do exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey. Wetlands have not been delineated. Based on aerial photos, it does not appear that the wetlands are situated within the project boundary. | |
| Wildlife: The proposed project may include endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors. | 4. Provide note on plans that contractors must receive the DNR flyers/Fact Sheets regarding Banding’s Turtles. |

### RECOMMENDATION: Approve with 4 Conditions and 0 Stipulations

**Conditions:**  
1. Receipt of escrows.
2. Provide statement and location on construction plans regarding soil stockpile sediment trapping measures as well as a note to stabilize within 7 days.
3. Provide details for erosion and sediment control practices.
4. Provide note on plans that contractors must receive the DNR flyers/Fact Sheets regarding Banding’s Turtles.

**Stipulations:**
None.