COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: June 25, 2018
AGENDA NUMBER: 10
FILE NUMBER: 18-114
ITEM: Crosstown Blvd Trail and Fire Station 1 Parking Lot

RECOMMENDATION: Approve with 5 Stipulations

APPLICANT: City of Andover
1685 Crosstown Blvd NW
Andover, MN 55304

PURPOSE: Crosstown Blvd Trail and Fire Station Parking Lot
Reconstruction

LOCATION: Crosstown Blvd (Bunker Lake Blvd to 140th Ave NW)

APPLICABILITY:
1. Within 1 mile of an impaired waters.
2. Any work in or adjacent to wetlands, lakes or water courses
3. One or more cumulative acres of land disturbance
4. The lands and waters that have been, or may be covered by the regional flood.
5. Endangered, Threatened or Special concern species, elements or communities
EXHIBITS:
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 Marsh, Isanti, Rifle 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.
- 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.
- 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 racking onto the paved surface.
- Provisions have not been made for cleaning road surfaces where sediment is transported by the end of the day.
• The erosion and sediment control plan does not provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.

**Dewatering:** Shallow ground water may exist on site. Dewatering is not anticipated.

**Floodplain:** There is a floodplain on the property according to the District model and FEMA. The District’s floodplain elevation is at 878.15 feet. The project does not propose to place fill within the floodplain. There are no flooding concerns upstream and/or downstream.

**High Water Flooding:** Information has not been provided and is not needed. No structures are proposed.

**Groundwater:** Geotechnical information has not been provided and is not needed.

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 should be notified and acknowledge the changes proposed.

**Maintenance:** The owner of the Stormwater Management features and treatment practices is the City of Andover. 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>
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<tbody>
<tr>
<td>Pretreatment</td>
<td>1</td>
<td>City of Andover</td>
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As a requirement of the City’s MS4 program, the city 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 provided.
**Stormwater & Hydrology:** Infiltration is allowed within the project area. The 1-inch infiltration is achieved to the maximum extent practicable via overland flow and roadside ditch.

Drainage sensitive uses do not exist downstream from the proposed site. The rate of post-development runoff from the site exceeds predevelopment rates by 0.6 cfs for the 10-Yr storm event. Increase in rate is not anticipated to have adverse impacts downstream. 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. All discharges into wetlands are not pretreated by a sediment basin/water quality pond. All work adjacent to wetlands, waterbodies and water conveyance systems are protected from erosion. The proposal may 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 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. The wetland boundary has not been checked.

The wetland is a DNR protected water.

The total potential proposed wetland impact is 9,600 square feet. The impact is through fill in 1 location as shown below:
The de minimis is 2,500 sf (type 2). TEP members have not been notified with a complete plan and have not been requested to submit comments. The project is not wetland dependent.

The project is not exempt. The applicant does 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 include endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors. The endangered or threatened species, rare natural community is Loggerhead Shrike. The applicant has not contacted the MDNR natural heritage or endangered species program.

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:** $2,700

**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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<td>Escrows: $2,000 + (1.4 ac * $500/ac = $2,700</td>
<td>1. Receipt of escrows.</td>
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<tr>
<td>Soils &amp; Erosion Control: Soil stockpiles</td>
<td>2. Update construction plans to</td>
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have not been proposed to be fitted with sediment-trapping measures to prevent soil loss.

Construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases have not been provided.

Provisions have not been made for cleaning road surfaces where sediment is transported by the end of the day.

The erosion and sediment control plan does not provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.

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<th><strong>Water Quality:</strong> All discharges into wetlands are not pretreated.</th>
<th><strong>3.</strong> Provide sedimentation basin sized to treat 0.5” of precipitation off of the parking lot area draining to curb cut located on the south side of the fire station parking lot.</th>
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<th><strong>Wetlands:</strong> Construction in public waters wetland impacts are proposed.</th>
<th><strong>4.</strong> Provide documentation from DNR that construction/impacts do not require a permit.</th>
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**RECOMMENDATION:** Approve with 5 Stipulations

**Stipulations:**

1. Receipt of escrows.
2. Update construction plans to include the following:
   a. Soil stockpiles shall be fitted with sediment-trapping measures to prevent soil loss.
   b. Construction schedules detailing when sediment trapping measures will occur; stabilization of earthen structures and the general timing of construction phases.
c. Provisions for cleaning road surfaces where sediment is transported by the end of the day.
d. Provide for the repair and maintenance of all temporary and permanent erosion and sediment control practices.

3. Provide sedimentation basin sized to treat 0.5” of precipitation off of the parking lot area draining to curb cut located on the south side of the fire station parking lot.

4. Provide documentation from DNR that construction/impacts do not require a permit.

5. Provide documentation from the DNR if the proposed project includes endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors.