COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: May 14, 2018
AGENDA NUMBER: 11
FILE NUMBER: 18-087
ITEM: Crosstown Overlay Hanson to 161st

RECOMMENDATION: Approve with 3 Stipulations

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

PURPOSE: Crosstown Blvd overlay between Hanson Blvd NW and 161st Ave NW

LOCATION: Crosstown Blvd between Hanson Blvd NW and 161st Ave NW, Andover, MINNESOTA

APPLICABILITY:
1. Within 1 mile of an impaired waters.
2. Any work in or adjacent to wetlands, lakes or water courses
3. 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 Sartell, Lino, 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.
- 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 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 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.
High Water Flooding: Information has not been provided and is not needed, no structures are proposed.

Groundwater: Geotechnical information was not provided and is not needed.

The portion of the project site is within the 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.

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>
</tr>
</thead>
<tbody>
<tr>
<td>Basin</td>
<td>1</td>
<td>City of Andover</td>
</tr>
<tr>
<td>Pretreatment Device</td>
<td>?</td>
<td>City of Andover</td>
</tr>
</tbody>
</table>

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. The stormwater management system utilizes sedimentation basin.

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. All discharges into wetlands 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 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 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 not exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey.

**Wetland Replacement Plan:** A wetland replacement plan 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 are Rhombic Evening Primrose, Long-Bearded Hawkweed, Dry Barrens Prairie, and Dry Barrens Oak Savanna. The applicant does not need to contact the MDNR natural heritage or endangered species program. The project will likely not affect these species.

**Performance Escrow:** $2650.00
**Wetland Escrow:** $N/A
There are not ditch liens on the property.

**ISSUES/CONCERNS:**

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Escrows: $2,000 + (1.3 ac * $500/ac = $2650.00)</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Soils &amp; Erosion Control:</td>
<td>2. Include the following notes on construction plans:</td>
</tr>
<tr>
<td>Erosion and Sediment Control Plan not provided in construction plans</td>
<td>a) Soil stockpiles should be fitted with sediment trapping measures to prevent soil loss.</td>
</tr>
<tr>
<td>Water Quality: All discharges into water quality basins are not pretreated.</td>
<td>3. Recommend providing a pretreatment device/sediment collection at concrete spillway located at station 20+00. A ditch check may be one option.</td>
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**RECOMMENDATION:** Approve with 3 Stipulations

**Stipulations:**

1. Receipt of escrows.
2. Include the following notes on construction plans:
   a. Soil stockpiles should be fitted with sediment trapping measures to prevent soil loss.
   b. Stabilization adequate to prevent erosion should be provided at the outlets of all storm sewer pipes.
   c. Provide for the maintenance and repair of all temporary and permanent erosion and sediment control practices.
3. Recommend providing a pretreatment device/sediment collection at the concrete spillway located at station 20+00. A ditch check may be one option.