COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: March 25, 2019
AGENDA NUMBER: 13
FILE NUMBER: 19-052
ITEM: Laddie Lake Storm Sewer Storm Repair

RECOMMENDATION: Approve with 5 Stipulations

APPLICANT: City of Blaine
10801 Town Square Dr NE
Blaine, MN 55449

PURPOSE: Replace existing skimmer structure and clean inlet and outlet channel
0.12 Acres

LOCATION: 87th Ave., Laddie Lake Inlet and Outlet
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. Excavation or filling or a combination of excavation and filling of sand or other excavation or fill material including the laying, repairing, replacing or enlarging of a culvert or an underground pipe or facility where it crosses a public ditch or waters of the state.
5. Endangered, Threatened or Special concern species, elements or communities

EXHIBITS:
1. Construction Plan set (3 sheets); by City of Blaine, Engineering Department, not dated, received 3/12/2019.

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.
- Stabilizing vegetation is proposed for disturbed areas within seven (7) days of rough grading.
- Soil stockpiles are not proposed for this project.
- 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.
- 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 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.

Dewatering: Shallow ground water does exist on site. The project does require dewatering.

Floodplain: There is floodplain on the property according to the District model and FEMA. The District’s floodplain elevation is at 905.5 feet. The project does not propose to place fill within the floodplain.

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 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 City of Blaine. 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>Lake Outlet</td>
<td>1</td>
<td>City of Blaine</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 maintenance access to all stormwater management features is provided.

**Stormwater & Hydrology:** No changes to stormwater runoff are expected as part of the project. Stormwater leaving the site is discharged into a well-defined receiving channel or pipe and routed to a public drainage system.

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 expected. No concentrated storm water expected as part of the project. No on-site constructed storm water conveyance channels will be constructed 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 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 an Impaired Water. The Impaired Water is CD 17. CD 17 is impaired for Aquatic Life (Macro-invertebrates)/ Aquatic Recreation (E. coli). The major stressors are 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 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 wetland is a DNR protected water. All work is proposed is below the OHW and therefore the DNR has WCA jurisdiction and the District does not.

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 applicant has contacted the MDNR natural heritage or endangered species program. The applicant has indicated that contact was made date. MDNR has not responded to the applicant.

If the project is present, the project does may propose substantial adverse alteration or significant detrimental impact on a species or removal of a plant species.

**Performance Escrow:** $2,060

**Wetland Escrow:** $N/A

There are ditch liens on the property.

**ISSUES/CONCERNS:**

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Escrows: $2,000 + (0.12 ac * $500/ac = $2,060)</td>
<td>1. Receipt of escrows.</td>
</tr>
<tr>
<td>Soils &amp; Erosion Control: Erosion control plan does not provide for the repair and maintenance of all temporary erosion and sediment control practices. Unclear dewatering plan.</td>
<td>2. Include note on construction plans providing for the repair and maintenance of all temporary erosion and sediment control practices. 3. Provide location and detail of dike construction and DNR dewatering permit.</td>
</tr>
<tr>
<td>Stormwater &amp; Hydrology: The obviously older detail inset has a 902.00 rim elevation that is the same as the</td>
<td>4. Provide existing survey and As-buils showing the installed outlet</td>
</tr>
</tbody>
</table>
There may be a datum shift to account for. Elevation matches existing overflow elevation.

**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.

5. Provide confirmation of distribution and note on plans for contractor to follow recommendations from DNR Blanding’s Turtle fact sheets.

**RECOMMENDATION:** Approve with 5 Stipulations

**Stipulations:**

1. Receipt of escrows.
2. Include note on construction plans providing for the repair and maintenance of all temporary erosion and sediment control practices.
3. Provide location and detail of dike construction and DNR dewatering permit.
4. Provide existing and As-builts showing the installed outlet elevation matches existing overflow elevation.
5. Provide confirmation of distribution to contractor and note on plans for contractor to follow recommendations from DNR Blanding’s Turtle fact sheets.