COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: 6/24/19
AGENDA NUMBER: 11
FILE NUMBER: 19-125
ITEM: Springbrook Nature Center Pavilion

RECOMMENDATION: Approve with 2 Stipulations

APPLICANT: City of Fridley
7071 University Avenue NE
Fridley, MN 55432

PURPOSE: Grading, replacement of existing picnic shelter, and bituminous trail paving
0.24 ACRE PROJECT ON 121.3 ACRE LOT

LOCATION: 100 85th Avenue NW

APPLICABILITY:
1. Within 1 mile of and drains to an impaired waters.
2. Any work within or adjacent to a Public ditch within the Watershed District.
3. Any work in or adjacent to wetlands, lakes or water courses
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:
1. Construction Plan set (7 sheets); by City of Fridley, dated 5/31/19, received 6/12/19.

PREVIOUS ACTION TAKEN: This is a new application.

FINDINGS:
Pre-application Meeting: The project as submitted has received a general review during pre-application correspondence.

Ditches: There is a public ditch on the property. The public ditch is County Ditch 17 according to the public drainage map. There are no proposed changes to the ditch and work is not adjacent.

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

Erosion and Sediment Control: Soils affected by the proposal are Kratka and Zimmerman.
- Stabilizing vegetation is proposed for disturbed areas within seven (7) days of rough grading.
• Soil stockpiles have 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.

• There are no storm sewer pipe outlets on the site.

• 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 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. The District’s floodplain elevation is at 868.25 feet. The project does not propose to place fill within the floodplain. There are no flooding concerns upstream or downstream.

**High Water Flooding**: Information has been provided to substantiate low floor elevations. Low floor elevations do meet the criteria for the City of Fridley; 1 ft above mottled soil or 100 yr.

**Groundwater**: No geotechnical information is provided and none is required.

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.

**Maintenance:** No permanent stormwater treatment practices are proposed.

Easements: The proposed project does not include ditch maintenance easement. A ditch maintenance easement is not required.

**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 exceed predevelopment rates, however, the rates are not expected to interfere with 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 is not proposed as part of this 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 Impaired Waters. The Impaired Waters are Springbrook Creek (CD 17) and Mississippi River (Crow River to St Anthony Falls). Springbrook Creek (CD 17) is impaired for Aquatic Life (Macro-invertebrates) and Aquatic Recreation (E. coli). The major stressors are Total Phosphorus (TP) and E.coli. There is an EPA approved Total Maximum Daily Load (TMDL) and Waste Load Allocation (WLA) for CD 17. Mississippi River is impaired for Aquatic Life, Aquatic Recreation, and Aquatic Consumption. The major stressors are Fecal Coliform, Nutrients, and PCB-F. There is not an EPA approved TMDL or 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. Wetlands have not been delineated.

**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.

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:** $2,120

**Wetland Escrow:** $ N/A

There are ditch liens on the property.

**ISSUES/CONCERNS:**

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<tr>
<th>ISSUE</th>
<th>NEED</th>
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<tr>
<td>Escrows: $2,000 + (0.24 ac * $500/ac = $2,120)</td>
<td>1. Receipt of escrows.</td>
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<tr>
<td>Soils &amp; Erosion Control:</td>
<td>2. Provide a note to stabilize soil stockpiles within 7 days of inactivity.</td>
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<tr>
<td>Soil stockpiles need to be stabilized within 7 days of inactivity.</td>
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**RECOMMENDATION:** Approve with 2 Stipulations

**Stipulations:**

1. Receipt of escrows.
2. Provide a note to stabilize soil stockpiles within 7 days of inactivity.