COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: February 12, 2018
AGENDA NUMBER: 23
FILE NUMBER: 17-087
ITEM: Springbrook Nature Center Pond Outlet

RECOMMENDATION: Approve with 2 Stipulations

APPLICANT: City of Fridley
6431 University Ave NE
Fridley, MN

PURPOSE: Reconstruction of pond outlet to reduce flooding

LOCATION: NW of Main St and 83rd Ave NE, Fridley MN

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. High water table, outwash and organic soils
5. 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.

EXHIBITS:
1. Technical Memo for Springbrook Apartments Drainage; by Wenck Associates, dated
   11/30/17, received 12/31/18.

PREVIOUS ACTION TAKEN: This is a new application.

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

Ditches: There is not a public ditch on the property. Private ditch eventually drains to
   County Ditch 17 (Springbrook Creek).

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

Erosion and Sediment Control: Soils affected by the proposal are Isanti, Lino and
   Zimmermann. No erosion control plan submitted as part of the project.

Dewatering: Shallow ground water does 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 865.0 feet. The project does not propose
to place fill within the floodplain. There are flooding concerns upstream and
downstream.

High Water Flooding: Information has not been provided to substantiate low floor
   elevations and is not needed, no structures proposed.

Groundwater: Geotechnical information was not 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.
No changes to drainage expected as part of the project.

**Maintenance:** No Stormwater Management features or treatment practices proposed as part of the project.

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

**Stormwater & Hydrology:** No new impervious created as part of the project, infiltration not required. Stormwater leaving the site is not 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-developement 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 as part of the project. Concentrated storm water leaving a site is discharged directly into a well-defined natural or man-made off-site receiving channel or pipe. 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 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 CD 17 (Springbrook). CD 17 (Springbrook) 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 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.

**Wetland Replacement Plan:** A wetland replacement plan is not required. No impacts are expected as the work is on an existing structure.

**Wildlife:** The proposed project does not include endangered or threatened species, rare natural communities, colonial waterbird nesting sites, migratory waterfowl concentration areas, deer wintering areas or wildlife travel corridors.

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

**ISSUES/CONCERNS:**

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<th>ISSUE</th>
<th>NEED</th>
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<tr>
<td>Stormwater &amp; Hydraulics:</td>
<td>1. Provide sketch (hand drawn is acceptable) of project location and construction plans.</td>
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<td>Additional details needed for construction activities.</td>
<td>2. Provide as-built for updated outlet structure and channel.</td>
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**RECOMMENDATION:** Approve with 2 Stipulations

Stipulations:
1. Provide a sketch (hand drawn is acceptable) of project location and construction plans.
2. Provide as-built for updated outlet structure and channel.