COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: March 27, 2017
AGENDA NUMBER: 14
FILE NUMBER: 17-059
ITEM: Springbrook Crossing Overflow Trash Rack

RECOMMENDATION: Approve

APPLICANT: City of Fridley
Attn: Greg Kottsick
6431 University Ave
Fridley, MN 55432

PURPOSE: Installation of emergency overflow trash rack

LOCATION: Spring Creek north of 79th Way NE, Fridley MN
APPLICABILITY:
1. Within 1 mile of 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. 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. Record Plans (2 sheets); by City of Fridley, dated 2/27/03, received 3/21/17.

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 a public ditch on the property. The public ditch is County Ditch 17 according to the public drainage map. The Ditch 17 system was established in 1892. The ditch was last inspected in 2016. The observed ditch centerline elevations at this property is 807.8 ft MSL. Existing elevations, slopes and condition of the ditch are fair. The ditch is a 4th order stream. The ditch serves the primary role of storm water conveyance and a trunk drainage system. The ditch serves approximately 0 acres of agricultural land. Land use in the area is toward single family residential. There are flooding concerns upstream. Alternatives to repair and additional drainage have been considered and reviewed. The ditch is not in need of repair.

Ditch Hydraulics: A crossing of the ditch is not proposed. An emergency overflow with trash rack is being installed on a District creek pipe crossing. The proposed culvert opening is of sufficient hydraulic capacity.

Erosion and Sediment Control: Soil affected by the proposal is Urban.
- No pervious surfaces will be disturbed as part of the project.
- Soil stockpiles are not proposed as part of the 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 is not provided and is not required.
- No proposed storm sewer pipes are proposed as part of the project.
- All work adjacent to water or related resource has taken precautions to contain sediment, and stabilize the work area during construction.
Dewatering: Shallow ground water does may 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 823 feet. The project does not propose to place fill within the floodplain. The total floodplain impact is 0 acre-feet. There are flooding concerns upstream.

High Water Flooding: Information has not been provided to substantiate low floor elevations and is not needed.

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

The site is not within a Municipal Drinking Water Supply Area (DWSMA).

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 have not been notified and acknowledge the changes proposed.

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

Easements: The proposed project does include ditch maintenance easement. A ditch maintenance easement is required.

Stormwater & Hydrology: No new impervious proposed as part of the project, infiltration requirements do not apply. No grading proposed as part of the project, rate control does not apply.

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 and drains to an Impaired Water. The Impaired Water is the Mississippi River. The Mississippi River 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 not 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 and do not need to be as project will not impact wetlands.

Wetland Replacement Plan: A wetland replacement plan has not been submitted and is not required.

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: None

RECOMMENDATION: Approve