COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: March 12, 2018
AGENDA NUMBER: 10
FILE NUMBER: 18-056
ITEM: Riverwalk Sanitary Sewer Rehabilitation

RECOMMENDATION: Approve with 2 Stipulations

APPLICANT: City of Coon Rapids
11155 Robinson Drive
Coon Rapids, MN 55433

PURPOSE: Rehab of existing sanitary sewer and manholes

LOCATION: Coon Rapids Blvd between Vale St NW and Zila St NW,
Coon Rapids, 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. High water table, outwash and organic soils
6. High infiltration soils
7. Highly erodible soils

EXHIBITS:
1. Construction Plan set (18 sheets); by SEH, undated, received 2/28/18.
2. Stormwater Narrative; by unknown, undated, received 2/28/18.

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 a public ditch on the property. The public ditch is Lower Coon Creek according to the public drainage map. Existing elevations condition of the ditch are 841.3 ft MSL at the downstream end and 843.4 ft MSL at the upstream end. The ditch is a 5th order stream. The ditch serves the primary role of trunk drainage system. The ditch serves approximately 0 acres of agricultural land. Land use in the area is toward natural area and residential. There are flooding concerns upstream and downstream. The ditch has been inspected. Existing elevations, slopes and condition of ditch are good. The ditch is not in need of repair.

Ditch Hydraulics: An existing inverted siphon crosses Coon Creek and the top of pipe is 4’ below the channel meeting the District cover requirement.

Erosion and Sediment Control: Soil affected by the proposal is alluvial land.
• 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.
• 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 not been provided and are not needed.
• 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.
• 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.

**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 842.6 feet on the north and 829.7 feet on the south. The project does not propose to place fill within the floodplain. There are flooding concerns upstream and downstream.

**High Water Flooding:** No structures proposed.

**Groundwater:** Geotechnical information collected in November 2017 indicates long term groundwater elevation is present at 26 to 33 feet below the surface.

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 Stormwater Management features or treatment practices proposed as part of the project.

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

Stormwater & Hydrology: No new impervious proposed as part of the project, infiltration requirements not required. 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 as part of the project. No concentrated storm water proposed as part of the project. 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 Lower Coon Creek. Lower Coon Creek 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.

Wetland Replacement Plan: A wetland replacement plan 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: $2000.00
Wetland Escrow: $ N/A

There are not 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 ac * $500/ac) = $2000</td>
<td>1. Receipt of escrows.</td>
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<tr>
<td>Stormwater &amp; Hydraulics:</td>
<td>2. Provide Emergency Spill Response Plan prior to construction activities.</td>
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<tr>
<td>Temporary conveyance is adjacent to Lower Coon Creek.</td>
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1. Receipt of escrows.
2. Provide Emergency Spill Response Plan prior to construction activities.