COON CREEK WATERSHED DISTRICT
PERMIT REVIEW

MEETING DATE: February 12, 2018
AGENDA NUMBER: 11
FILE NUMBER: 18-049
ITEM: Coon Rapids Street Reconstruction Project 18-1

RECOMMENDATION: Approve with 2 Stipulations

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

PURPOSE: City street reconstruction

LOCATION: East of Hwy 10 between 112th Ln & 99th Ln 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. One or more cumulative acres of land disturbance
5. High infiltration soils
6. Highly erodible soils

EXHIBITS:
1. Construction Plan set (39 sheets); by City of Coon Rapids, dated 3/22/17, received 2/14/18.
2. Project Narrative; by City of Coon Rapids, undated, received 2/14/18.
3. Pavement Evaluation Report; by Braun Intertec, dated 12/1/17, received 2/14/18.

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 Lino, Isanti, Sartell.
  - Stabilizing vegetation is not proposed for disturbed areas within seven (7) days of rough grading.
  - Soil stockpiles have not been proposed to be fitted with sediment-trapping measures to prevent soil loss.
  - Adjacent properties and stormwater ponds are not 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 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 may exist on site. The project does not require dewatering.

Floodplain: There is no floodplain on the property according to the District model and FEMA.

High Water Flooding: Information has not been provided and is not needed, no structures proposed.

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

The project site has portions 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 should be notified and acknowledge the changes proposed.

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

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

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 discharges into wetlands are pretreated. 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 not exist on-site according to the 1987 Federal manual, NWI, PWI and Soil Survey.

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: $12,250.00
Wetland Escrow: $N/A
There are not ditch liens on the property.

**ISSUES/CONCERNS:**

<table>
<thead>
<tr>
<th>ISSUE</th>
<th>NEED</th>
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</thead>
<tbody>
<tr>
<td>Escrows: $2,000 + (20.5 ac * $500/ac) = $12,250.00</td>
<td>1. Receipt of escrows.</td>
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<tr>
<td>Soils &amp; Erosion Control: Stabilizing vegetation is not proposed for disturbed areas within seven (7) days of rough grading.</td>
<td>2. Update construction plans to note and/or show: a. Stabilize vegetation within 7 days of rough grading or inactivity.</td>
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<tr>
<td>Soil stockpiles have not been proposed to be fitted with sediment-trapping measures to prevent soil loss.</td>
<td>b. Soil stockpiles to be fitted with sediment-trapping measures to prevent soil loss.</td>
</tr>
<tr>
<td>Adjacent properties and stormwater ponds may not be protected from sediment deposition.</td>
<td>c. Protect adjacent properties and stormwater ponds from sediment deposition. Show location of erosion control measures.</td>
</tr>
</tbody>
</table>

**RECOMMENDATION:** Approve with 2 Stipulations
Stipulations:

1. Receipt of escrows.
2. Update construction plans to note and/or show:
   a. Stabilize vegetation within 7 days of rough grading or inactivity.
   b. Soil stockpiles to be fitted with sediment-trapping measures to prevent soil loss.
   c. Protect adjacent properties and stormwater ponds from sediment deposition. Show location of erosion control measures.